

## PRACTICAL, AFFORDABLE AND NEVER CARELESS!

GSP-9300B is a 3GHz spectrum analyzer to meet basic RF measurement requirements. It provides the frequency stability of 0.025ppm; the aging rate of 1ppm/year; a built-in preamplifier; the base noise of -149dBm/Hz, and more than 20 measurement applications, including AM/FM modulation signal analysis, signal channel analysis, and CATV parameter test. While collocating with TG option, GSP-9300B can conduct frequency response or power linearity tests for components.

For monitoring signals, GSP-9300B provides Topographic display mode, which is capable of distinguishing continuous or random signals by using color temperature. Spectrogram mode provides a time axis on spectrum display that allows users to observe signal variations based upon the reference of time. Split window mode allows different parameter settings for each display window. Additionally, GSP-9300B also provides user-friendly user interfaces such as display mode, help, multi-languages, and fast data logging, etc. Interfaces and software include USB/RS-232/LXI/MicroSD/GPIB (option)/DVI output and dedicated PC software IVI Driver.

GSP-9300B, with its unique features, including auto wake-Up, sequence function, and limit line testing, is specially designed to meet the requirements of production lines. The patent design of heat conduction allows GSP-9300B to substantially reduce the warm-up time so as to expedite production processes. Options include tracking generator, carrying bag, battery module, EMI antenna set and rack accessories. The compact design of GSP-9300B satisfies either field testing or the integration of automatic testing systems.

To sum up, GSP-9300B is a stable, light and all-purpose test equipment, which is the most ideal choice for the educational market, production line, and general signal monitoring applications, etc. Most important, the pricing of GSP-9300B is beyond your imagination and it is the number one choice for users with budget considerations.

| Frequency Stability : 0.025ppm           | Wireless communications applications are nowadays ubiquitous. Signals in the limited spectrum are getting very crowded. Therefore, the demands of signal efficiency and frequency stability are higher and stricter. To meet high precision measurement requirements, GSP-9300B provides the frequency stability of 0.025ppm and the aging rate of 1ppm/year, which only appear in high-end T&M equipment.                                                                      |
|------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Built-in Preamplifier                    | Engineers often face the challenge of measuring small RF signals during product development<br>stage. GSP-9300B's built-in preamplifier provides the base noise of -149dBm. When collocating<br>with the built-in EMI filter and the dedicated EMI near field probe, GSP-9300B can conduct EMI<br>tests and debugging.                                                                                                                                                          |
| More Than 20 Measurement<br>Applications | GSP-9300B provides rich signal processing functions, including AM/FM modulation signal analysis,<br>signal channel analysis, and CATV parameter test, characteristic test on signal stability, and<br>frequency response or power linearity tests for components to substantially bring up the<br>measurement convenience. Most competitors in the same class only offer a few test functions,<br>and the standard built-in functions of GSP-9300B are options for competitors. |



## FEATURES

- Frequency Range : 9kHz ~ 3 GHz
- 0.025ppm Frequency Stability and 1ppm Aging Rate
- Built-in Preamplifier, 50dB Attenuator, and Sequence Function
- RBW:1Hz~1MHz
- Sensitivity : -149dBm/Hz (@PreAmp on)
- Built-in AM/FM Demodulation & Analysis
- Built-in P1dB point, Harmonic, Channel Power, N-dB Bandwidth, OCBW, ACPR, SEM, TOI, CNR, CTB, CSO, Noise Marker, Frequency Counter, Time Domain Power, Gated Sweep
- Built-in Spectrogram, Topographic and Dual-View Display Modes
- Remote Control Interface : LAN, USB, RS-232
- Options : Tracking Generator, GPIB Interface

## APPLICATIONS

- For the Quick Check and Analysis of Spectral Characteristic
- Analyze AM, FM Signal Characteristics
- Monitor Satellite Uplink Signals From Satellite Uplink Truck
- Test Systems That Require a Very Compact Instrument
- Measure The Frequency Response of Cable, Attenuator, Filter and Amplifier

| SPECURATIONS SPECURATIONS SPECURATIONS PROVINCE Notice I Supervise Specuration                                                                                                                                                                                                                                                     |
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| Resolution i juig mathematication i i juig mat                                                                                                                                                                                                                                                     |
| Acumary i frequency resolution RBW / Aub PASE NOISE  UPDATE NOISE  UPDAT                                                                                                                                                                                                                                                     |
| PHASE NOISE PHASE                                                                                                                                                                                                                                                      |
| 10 Htg.         < 38 dBs/14:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 100 Mitz         < <58.56/ht                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 1 MHz (>1 MHz (>1 MHZ (M) (MHZ (MHZ (M) (MHZ (MH                                                                                                                                                                                                                                                     |
| Filter Bandwidth         1 Hz - 1 MHz in 13-10 sequence<br>20 Hz 9 MHz 20 Hz 10 MHz 2<br>80% R8W = 1 MHz 1 ± 5%% R8W < 1 MHz<br>408 Bandwidth ratio: .60483.08           VIDCO BANDWIDTH (VBW) FILTER<br>Filter Bandwidth         1 Hz - 1 MHz in 13-10 sequence<br>20 Hz 9 MHz 1 ± 5%% R8W < 1 MHz<br>40 Bandwidth ratio: .60483.08           VIDCO BANDWIDTH (VBW) FILTER<br>Filter Bandwidth         1 Hz - 1 MHz in 13-10 sequence<br>20 Hz - 1 MHz<br>10 MHz - 1 MHZ<br>10 GAN COMPESSION<br>10 MHZ - 1 MHZ<br>10 MHZ - 1 MHZ<br>10 GAN COMPESSION<br>10 MHZ - 1 MHZ<br>10 MHZ     |
| Accuracy<br>Shape Factor         200 Hz, 9 Hzh, 120 Hz, 10 Hz<br>80%, R8W = 1 MHz; ± 5%, R8W = 10 MHz<br>4.5 : 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Shape Factor <i><i><i><i><i><i><i><i><i><i><i><i><i></i></i></i></i></i></i></i></i></i></i></i></i></i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| VIDED ANDWIDTH (VSW) FILTER         Image: Constraint of the second                                                                                                                                                                                                                                                                                      |
| Filer Bandwidth     1 Hz - 1 MHz in 13-10 sequence     -3dB bandwidth       AMPLITUDE FANCE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| AME TUDE E ANGE     Diplayed Average Noise Level(DANL)to 15 dBm       Measurement Range     100 HHz - 10 MHz       10 MHz - 2 O HHz     DANL to 21 dBm       DANL to 21 dBm     DANL to 21 dBm       ATTENUATOR     DANL to 21 dBm       Input Attenuator Range     0 - 50 dB, in 1 dB steps     Auto or manual setup       MAXIMUM SAFE INPUT LEVEL     Searage Total Power     5 - 33 dBm       DC Volzage     ± 30 V     Input attenuator 2 10 dB       DC Volzage     ± 30 V     Input attenuator 2 10 dB       DC Volzage     ± 30 V     Input attenuator 2 10 dB       DISPLAYED AVERACE NOISE LEVE (DANL)     > 0 dBm     Typical; FC2 50 MHz; preamp. off       DISPLAYED AVERACE NOISE LEVE (DANL)     0 dB attenuators, RF Input is terminated with a 500 load. RBW 10 Hz; VBW 10 Hz; span 500 Hz; reference level 60 dBm; trace average240       9 MHz-100 HHz     < -30 dBm     Nominal       27 - 32 G CH2     - 106 dBm     Nominal       10 MHz - 10 HHz     < -108 dBm - 3 ((f100 Hz) dB     Nominal       10 MHz - 10 MHz     < -108 dBm - 3 ((f100 Hz) dB     Nominal       10 MHz - 10 MHz     < -108 dBm - 3 ((f100 Hz) dB     Nominal       10 MHz - 32 G Hz     -108 dBm - 3 ((f100 Hz) dB     Nominal       10 MHz - 32 G Hz     -108 dBm - 3 ((f10 LVz) dB     Nominal       10 MHz - 32 G Hz     -108 dBm - 3 ((f10 LVz) dB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Measurement Range         100 H/z - 1 M/z<br>10 M/z - 3 GHz         Displayed Average Noise Level(DANL) to 16 dBm<br>DANL to 30 dBm           ATTENUATOR         Dank Lo 30 dBm         DANL to 30 dBm           MAXIMUM SAFE INPUT LEVE         Autor or manual setup           Maximum SAFE INPUT LEVE         Input attenuator 210 dB           OC Voltage         4.50 V           1 dB CAIN COMPRESSION         Input attenuator 210 dB           Total Power at the Preamp         > 2.2 dBm           Displayed Average Nover Evel (dBm)         - 0.6 dBm           Total Power at the Mixer         > 0.0 dBm           2.2 dBm         Typical ; FC 250 M/Hz; preamp. off           Total Power at the Preamp         > 2.2 dBm           Displayed Average Nover Evel (dBm)         - attenuation (dB)           Preamp off         Od dB attenuation; RF Input is terminated with a 500 load. RBW 10 Hz; yean 500 Hz; reference level = - 60 dBm; trace average2:40           UN4-10 MHz         < -30 dBm         Nominal           100 Hz-1 MHz         < -30 dBm         Nominal           101 Hz-10 MHz         < -102 dBm - 3 (f/100 kHz) dB         Nominal           102 Hz-2 MMz         < -112 dBm         Nominal           103 Hz-2 dBm         > 0.10 dB         Nominal           104 Hz-10 MHz         < -102 dBm - 3 (f/100 kHz) dB <td< th=""></td<>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 1     MHz > 10 MHz     DANL to 21 dBm       ATTENUATOR     DANL to 21 dBm       Imput Attenuator Range     0 - 50 dB, in 1 dB steps     Auto or manual setup       MAXIMUM SAFE INPUT LEVEL.     Auto or manual setup       MAXIMUM SAFE INPUT LEVEL.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| ATTENUATOR         0 - 50 db, in 1 db steps         Auto or manual setup           MAXIMUM SAFE INPUT LEVEL         - 50 db, in 1 db steps         Auto or manual setup           MAXIMUM SAFE INPUT LEVEL         - 50 dBm         Input attenuator ≥ 10 dB           Area and the setup         - 50 dBm         Typical : fc.2 50 MHz; preamp. off           Table Aver at the Peamp         > 0 dBm         - 52 dBm           DiSPLAYED AVERAGE NOISE LEVEL (DANL)         Description         Maxer setup           Paramp off         0 dB attenuation; RF Input is terminated with a 50Ω load. RBW 10 Hz; span 500 Hz; reference level = - 60 dBm;           9H4-100 HHz         - 0.3 dBm         Nominal           9H4-100 HHz         - 0.108 dBm         Nominal           10 HHz         - 0.108 dBm         Nominal           11 MHz-10 HHz         - 0.108 dBm         Nominal           12 - 3.25 CHz         - 0.108 attenuation; RF Input is terminated with a 50Ω load. RBW 10 Hz; span 500 Hz; reference level = - 60 dBm;           110 HHz         - 0.108 dBm; - 2.x (f)(100 kHz) dB         Nominal           10 Hz; - 108 Hz         - 0.108 dBm; - 2.x (f)(10 kHz) dB         Nominal           10 Hz; clear Rasout         0.01 dB         Nominal         Nominal           10 Hz; clear Rasout         0.01 dB         0.01 dB         Nominal      <                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Input Attenuator Range         0 - 50 dB, in 1 dB steps         Auto or manual setup           MAXIMUM SAFE NPUT LEVEL<br>Advances         input attenuator 210 dB           MAXIMUM SAFE NPUT LEVEL<br>Advances         input attenuator 210 dB           BG GAN COMPRESSION         - 0 dBm           Total Power at Its Miner<br>> .22 dBm         > 0 dBm           DISPLAYED AVERAGE NOISE LEVEL [DANL]         Typical ; Fc2 30 MHz; preamp, off<br>trace average2 40           DISPLAYED AVERAGE NOISE LEVEL [DANL]         Off attenuation; RF Input is terminated with a 50Ω load, RBW 10 Hz; span 500 Hz; reference level = - 60 dBm;<br>trace average2 40           9 kHz-100 kHz         < -33 dBm         Norminal<br>Norminal           1 MHz         < -30 dBm - 3 x (f/100 kHz) dB         Norminal<br>Norminal           1 MHz-10 MHz         < -102 dB attenuation; RF Input is terminated with a 50Ω load, RBW 10 Hz; span 500 Hz; reference level = - 60 dBm;<br>trace average2 40           Peamp on         D dB attenuation; RF Input is terminated with a 50Ω load, RBW 10 Hz; span 500 Hz; reference level = - 60 dBm;<br>trace average2 40           100 Hz-1 MHz         < -102 dBm dBm; dBm/ (f OL) (J B           101 Hz-2 NMz         < -112 dBm           102 Hz-1 MZ         < -142 dBm + 3 x (f/100 kHz) dB           103 Hz-2 Constra         < -142 dBm + 3 x (f/100 kHz) dB           104 Hz-2 NWZ         < -142 dBm + 3 x (f/100 kHz) dB         Norminal           104                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| MAXMUM SAFE INPUT LEVEL         Solution           Average Total Power         ≤ -33 dBm         Input attenuator 2 10 dB           DC Voltage         ± 50 V         Input attenuator 2 10 dB           DC Voltage         ± 50 V         Input attenuator 2 10 dB           DC Voltage         ± 50 V         Input attenuator 2 10 dB           De Kanto COMPRESSION         Typical ; Fc 2 50 MHz; preamp. off         Typical ; Fc 2 50 MHz; preamp. off           Total Power at the Preamp         > 22 dBm         Typical ; Fc 2 50 MHz; preamp. off           DISPLAYED AVERAGE NOISE LEVEL (DANL)         DeB attenuation; RF Input is terminated with a 502 load. RBV 10 Hz; vBW 10 Hz; span 500 Hz; reference level = - 60 dBm; trace average 2 40           VMX-10 MHz         < -122 dBm         Norminal           100 kHz-1 MHz         < -102 dBm + 3x (f/10 kHz) dB         Norminal           100 kHz - 10 MHz         < -102 dBm + 3x (f/10 kHz) dB         Norminal           100 kHz - 10 MHz         < -102 dBm + 3x (f/10 kHz) dB         Norminal           100 kHz - 10 MHz         < -102 dBm + 3x (f/10 kHz) dB         Norminal           100 kHz - 10 Mz         < -102 dBm + 3x (f/10 kHz) dB         Norminal           100 kHz - 10 Mz         < -102 dBm + 3x (f/10 kHz) dB         Norminal           100 kHz - 10 Mz         < -102 dBm + 3x (f/10 kHz) dB         Norminal </th                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Average Total Power         ≤ +33 dBm         Input attenuator ≥ 10 dB           DC Voltage         ± 50 V         Input attenuator ≥ 10 dB           1 dB CAN COMPRESSION         Trace         Trace 17, FC 23 0 MHz; preamp, off           Total Power at the Preamp         > 22 dBm         Trace 17, FC 23 0 MHz; preamp, off           DISPLAYED AYERAGE NOISE LEVEL         OAHN         > -22 dBm         Mixer power level (dBm) = input power (dBm) = attenuation (dB)           DISPLAYED AYERAGE NOISE LEVEL         OAHN         > -22 dBm         Nominal           Yorke average 240         0 dB attenuation; RF Input is terminated with a 50Ω load, RBW 10 Hz; yBW 10 Hz; span 500 Hz; reference level = - 60 dBm;           Yata - 10 MHz         < -30 dBm         Nominal           Yata - 10 dB attenuation; RF Input is terminated with a 50Ω load, RBW 10 Hz; YBW 10 Hz; span 500 Hz; reference level = - 60 dBm;           Yata - 10 dB attenuation; RF Input is terminated with a 50Ω load, RBW 10 Hz; YBW 10 Hz; span 500 Hz; reference level = - 60 dBm;           Yata - 10 MHz         < -162 dBm - 3 x (f) 100 Hz) dB         Nominal           Yata - 10 Mz         < -162 dBm - 3 x (f) 100 Hz) dB         Nominal           Yata - 142 dBm - 34 (f) CDHz) dB         Nominal         Nominal           Yata - 142 dBm - 34 (f) CDHz) dB         Nominal         Nominal           Yata - 142 dBm + 34 (f) CDHz) dB         Nominal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 1 dB GAN COMPRESSION<br>Total Power at Its Mixer<br>> 2.2 dBm<br>Ypical ; Fc.2 50 MHz; preamp, off<br>Typical ; Fc.2 50 MHz; preamp, off<br>Ypical ; Fc.2 50 MHz; preamp, off<br>Mker power (dBm) – attenuation (dB)            DISFLAYED AVERACE NOISE LEVEL (DANL)              0.48 attenuation; RF Input is terminated with a 50Ω load. RBW 10 Hz; VBW 10 Hz; span 500 Hz; reference level = - 60 dBm;<br>trace average 2.40            9 kHz-100 kHz<br>0.0 kHz-1 MHz               - 93 dBm          Nominal<br>Nominal<br>Nominal            9 kHz-100 kHz<br>- 100 kHz-1 MHz               - 93 dBm          Nominal<br>Nominal            9 kHz-100 HHz<br>- 122 dBm               - 16 dBm          Nominal<br>Nominal            1 00 kHz-1 MHz<br>- 122 dBm               - 116 dBm          Nominal<br>Nominal            1 00 kHz-1 MHz<br>- 142 dBm               - 116 dBm; Sa (f/100 kHz) dB<br>- 142 dBm          Nominal<br>Nominal<br>Nominal<br>Nominal<br>10 MHz-1 MHz<br>- 142 dBm          Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>10 dB, forefrence lewel<br>Tace, Topographic, Spectrogram<br>Ne, Blank, Nerage<br>Soluto Point<br>Zolt MS - Solt MIZ; prea                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Total Power at the Nixer         > 0 dBm         Typical: F2 ± 50 MHz; preamp, off           DISPLAYED AVERAGE NOISE LEVEL         DANL         Mixer power level (dBm) = input power (dBm) - attenuation (dB)           DISPLAYED AVERAGE NOISE LEVEL         DANL         Mixer power level (dBm) = input power (dBm) - attenuation (dB)           Preamp off         0 dB attenuation; RF Input is terminated with a 50Ω load. RBW 10 Hz; VBW 10 Hz; span 500 Hz; reference level - 60 dBm; trace average2 40           9 Hzh-100 Hz         < 93 dBm         < 90 dBm - 3 x (f)(100 Hz) dB         Nominal           100 Hzh-1 MHz         < 90 dBm - 3 x (f)(100 Hz) dB         Nominal         Nominal           2.7 - 325 CHz         < < 116 dBm         Nominal         Nominal           Preamp off         0 dB attenuation; RF Input is terminated with a 50Ω load. RBW 10 Hz; VBW 10 Hz; span 500 Hz; reference level = -60 dBm; trace average2 40           100 Hzh-1 MHz         < < 104 dBm - 3 x (f)(10 Hz) dB         Nominal           101 Hz-10 Mz         < < 104 dBm - 3 x (f)(10 Hz) dB         Nominal           102 Hzh Totak         < < 142 dBm + 3 x (f) CHz) dB         Nominal           103 Hzh = 0 MgN dBM         Ogl, Iterat         Nominal           104 Hzh = 0 MgN dBM         Ogl, Iterat         Nominal           104 Hzh = 0 MgN dBM         Ogl, Iterat         Nominal           104 Hzh = 0 MgN dBM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Total Power at the Preamp         > -22 dBm         Transport         Transport <thtransport< th="">         Transport         <thtransport<< th=""></thtransport<<></thtransport<>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| DISPLAYED AVERAGE NOISE LEVEL (DANL)         Odd attenuation; RF Input is terminated with a 50Ω load. RBW 10 Hz; yBW 10 Hz; span 500 Hz; reference level = - 60 dBm;<br>trace average2 40           9 kHz-100 kHz         <-93 dBm         Nominal           0 kHz-100 kHz         <-93 dBm         Nominal           2 - 325 CHz         <-116 dBm         Nominal           Preamp on         0 dB attenuation; RF Input is terminated with a 50Ω load. RBW 10 Hz; yBW 10 Hz; span 500 Hz; reference level - 60 dBm;<br>trace average2 40           100 kHz-10 MHz         <-102 dBm - 3 x (f/100 kHz) dB         Nominal           2 - 325 CHz         <-016 dBm; 1 x (f/10 kHz) dB         Nominal           100 kHz-10 MHz         <-142 dBm - 3 x (f/10 kHz) dB         Nominal           100 kHz-10 MHz         <-142 dBm - 3 x (f/10 kHz) dB         Nominal           100 kHz-10 MHz         <-142 dBm - 3 x (f/10 kHz) dB         Nominal           100 kHz-10 MHz         <-142 dBm - 3 x (f/10 kHz) dB         Nominal           100 kHz-10 MHz         <-142 dBm - 3 x (f/10 kHz) dB         Nominal           100 kHz-10 MHz         <-142 dBm - 3 x (f/10 kHz) dB         Nominal           100 kHz-10 MHz         <-142 dBm - 3 x (f/10 kHz) dB         Nominal           100 kHz-10 MHz         <-142 dBm - 3 x (f/10 kHz) dB         Nominal           100 kHz          <-142 dBm - 3 x (f/10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Preamp off         0 dB attenuation; RF Input is terminated with a 50Ω load. RBW 10 Hz; YBW 10 Hz; span 500 Hz; reference level = - 60 dBm;<br>Trace average240           9 kHz-100 kHz         <.93 dBm         Nominal           100 kHz-1 MHz         <.90 dBm - 3 k (f/100 kHz) dB         Nominal           101 HHz-1 MHz         <.90 dBm - 3 k (f/100 kHz) dB         Nominal           2.7 - 3.25 CHz         <.116 dBm         Nominal           2.7 - 3.25 CHz         <.116 dBm         Nominal           Preamp on         0 dB attenuation; RF Input is terminated with a 50Ω load. RBW 10 Hz; span 500 Hz; reference level = - 60 dBm;<br>Trace average240           100 kHz-10 MHz         <.108 dBm - 3 x (f/100 kHz) dB         Nominal           101 HHz-10 MHz         <.104 dBm - 3 x (f/100 kHz) dB         Nominal           102 kHz-10 MHz         <.142 dBm + 3 x (f/1 CHz) dB         Nominal           103 HHz-20 KHZ         <.142 dBm + 3 x (f/1 CHz) dB         Nominal           104 Hz-325 CHz         <.142 dBm + 3 x (f/1 CHz) dB         Nominal           105 Hz - 26 CHz         <.142 dBm + 2 x (f/1 CHz) dB         Nominal           106 Hz - 26 CHz          <.142 dBm + 3 x (f/1 CHz) dB         Nominal           106 Hz - 26 CHz          <.142 dBm + 3 x (f/1 CHz) dB         Nominal           106 Hz - 26 CHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Instant of the severage 240         Instant of the severage 240           100 kHz-1 MHz         < 30 dBm         > x (f/100 kHz) dB         Nominal           100 kHz-1 MHz         < -30 dBm         > x (f/100 kHz) dB         Nominal           27 - 325 CHz         < -116 dBm         Nominal         Nominal           Preamp on         0 dB attenuation; RF Input is terminated with a 50Ω load. RBW ID Hz; span 500 Hz; reference level = -60 dBm; trace average 240           100 kHz-1 MHz         < -182 dBm         Nominal           100 kHz-2 MHz         < -182 dBm         Nominal           100 kHz-3 25 CHz         < -142 dBm         Nominal           100 kHz-3 MRL         < -142 dBm         Nominal           100 kHz-3 MRL         < -142 dBm, dBmV, V, W         Nominal           100 kHz-1 MHz         < -142 dBm, dBmV, V, W         Nominal           100 kHz-2 GFL          Log scale         Nominal           100 kHz-1 MRL         < -142 dBm, dBmV, V, W         Log scale         Nominal           101 MHz-2 GFL          Log scale         Nominal           102 kHz Karge KLMI, Clear & Write, Max/Min Hold         Norig scale         Single/Split Windows           Number of Traces         4 0.3 dB         Ref level 0 dBm; 10 dB R attenuation           Peamp Off<                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 100 HHz       <-90 dBm -3 x (f/100 kHz) dB       Nominal         11Hz-10 HHz       <-22 dBm       Nominal         2.7 - 3.25 GHz        Nominal         Preamp on       0 dB attenuation; RF Input is terminated with a 50Ω load, RBW 10 Hz; VBW 10 Hz; span 500 Hz; reference level = - 60 dBm; trace average2 d-0         100 HHz-1 MHz       <-108 dBm - 3 x (f/100 kHz) dB       Nominal         101 HHz-10 HHz       <-108 dBm - 3 x (f/100 kHz) dB       Nominal         101 HHz-2 AZ GHz       <-108 dBm - 3 x (f/100 kHz) dB       Nominal         101 HHz-2 AZ GHz       <-108 dBm - 3 x (f/100 kHz) dB       Nominal         101 HHz-2 AZ GHz       <-108 dBm - 3 x (f/100 kHz) dB       Nominal         101 HHz-10 HHz       <-108 dBm - 3 x (f/100 kHz) dB       Nominal         101 HHz       <-142 dBm + 3 x (f/1 GHz) dB       Nominal         101 HHz       <-142 dBm + 3 x (f/1 GHz) dB       Nominal         101 HHz       <-142 dBm + 3 x (f/1 GHz) dB       Nominal         101 HHz       <-142 dBm + 3 x (f/1 GHz) dB       Nominal         101 HHz       <-142 dBm + 3 x (f/1 GHz) dB       Nominal         101 HZ - 10 HZ       <-142 dBm + 3 x (f/1 GHz) dB       Log scale         101 HZ - 10 HZ       <-142 HZ       Log scale       Linear scale         101 HZ - 10 HZ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1 MHz-10 MHz     <-122 dBm     Nominal       27-325 GHz     <116 dBm     Nominal       Preamp on     0 dB attenuation; RF Input is terminated with a 50Ω load. RBW 10 Hz; Span 500 Hz; reference level = -60 dBm; trace average2 40       10 MHz-10 MHz     <-104 dBm     3 (f)100 HHz) dB     Nominal       10 MHz-10 MHz     <-104 dBm -3 x (f)10 (Hz) dB     Nominal       10 MHz-30 GHz     <-142 dBm     Nominal       10 MHz     <01 /b So freference level     Log scale       10 MB     <01 /b So freference level     Linear scale       Scales      Single/Split Windows       1 Trace     Yiew, Blank, Average     Refivel 0 dBm; 10 dB KF attenuation       Peramp Off      Center=160 MHz; RBW 10 kHz; VBW 1 kHz; span 100 kHz; Span 10 dB KF attenuation       Preamp Off      Attenuation: 10 dB;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 2.7 - 3.25 GHz     < -116 dBm     Nominal       Preamp on     0 dB attenuation; RF Input is terminated with a 50Ω load. RBW 10 Hz; VBW 10 Hz; span 500 Hz; reference level = -60 dBm;<br>trace average2 40       100 Hz+-1 MHz     <-108 dBm - 3x (f/100 Hz) dB     Nominal       101 MHz-20 MHz     <-108 dBm - 3x (f/10 GHz) dB     Nominal       101 MHz-20 MHz     <-142 dBm + 3x (f/1 GHz) dB     Nominal       101 MHz-20 GHz     <-142 dBm + 3x (f/1 GHz) dB     Nominal       102 MHz-10 MHz     <-142 dBm + 3x (f/1 GHz) dB     Nominal       103 Marker Level Readout     Log, Linear     dBm, dBm/, dBuV, V, W       Units     0.01 % of reference level     Log scale       Linear scale     Single/Split Windows       Number of Traces     4       Detector     Positive-peak, negative-peak, sample, normal, RMS (not Video),       Quasi-Peak (EMI), Average (EMI), Clear & Write, Max/Min Hold,     Single/Split Windows       Absolute Point     £ 0.3 dB     £ 0.4 dB       Preamp Off     ± 0.3 dB     Ref level 0 dBm; 10 dB R attenuation       Preamp Off     ± 0.3 dB     £ 0.4 dB       Preamp Off     ± 0.5 dB     Reference: 160 MHz; 20 ~ 30°C       10 KHz = 2.0 GHz     ± 0.5 dB     Reference: 160 MHz; 0/20 ~ 30°C       2 GHz = 3 GHz     Attenuation: 0 dB; Reference: 160 MHz; 20 ~ 30°C     10.5 dB       2 GHz = 3 GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| trace average240Norminal100 kHz-1 MHz<108 dBm - 3 x ((f100 kHz) dB100 HHz-2 MHz<104 dBm - 3 x ((f10 kHz) dB10 MHz-3.25 GHz<142 dBm + 3 x ((f1 GHz) dB10 MHz-3.25 GHz<142 dBm + 3 x ((f1 GHz) dB10 MHz-3.25 GHz<142 dBm + 3 x ((f1 GHz) dB10 Maker Level Readout0.01 dBUnitsdBm, dBm, dBuV, V, WMarker Level Readout0.01 dB0.01 % of reference levelLinear scaleLevel Display ModesTrace, Topographic, SpectrogramNumber of Traces4Oussi-Peak(EMI).Average(EMI).Clear & Write, Max/Min Hold,View, Blank, AverageSingle/Split WindowsABSOLUTE AMPLITUDE ACCURACYCenter-160 MHz; RBW 10 kHz; VBW 1 kHz; span 100 kHz; log scale; 1 dB/div; peak detector; 23°C±1°C; Signal at Reference LevelAbsolute PointCenter-60 MHz; RBW 10 kHz; VBW 1 kHz; span 100 kHz; log scale; 1 dB/div; peak detector; 23°C±1°C; Signal at Reference LevelPreamp OffAttenuation : 10 dB; Reference: 160 MHz; 20 ~ 30°C± 0.4 dBAttenuation : 0 dB; Reference: 160 MHz; 20 ~ 30°C2 GHz ~ 3 GHz0.6 dB2 GHz ~ 3 GHz0.6 dB in 1 dB step2 GHz ~ 3 GHz0.6 3 dB2 GHz ~ 3 GHz0.2 3 dB2 GHz ~ 3 GHz0.2 3 dB100 kHz; 0.2 3 GHz0.5 3 dB2 GHz ~ 3 GHz0.5 3 dB <tr< th=""></tr<>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 100 kHz-1 MHz       <-108 dBm - 3 x (f/100 kHz) dB       Nominal         11 MHz-10 MHz       <-142 dBm + 3 x (f/1 GHz) dB       Nominal         100 kHz-2 MHz       <-142 dBm + 3 x (f/1 GHz) dB       Nominal         100 MHz-32S GHz       <-142 dBm + 3 x (f/1 GHz) dB       Nominal         100 MHz-32S GHz       <-142 dBm + 3 x (f/1 GHz) dB       Nominal         100 MHz-32S GHz       Log, Linear       Cag scale       Log scale         100 MHz-32S GHz       001 dB       Log scale       Log scale       Linear scale         100 Words       Trace, Topographic, Spectrogram       Single/Split Windows       Single/Split Windows         Number of Traces       Positive-peak, negative-peak, sample, normal, RMS (not Video),       Single/Split Windows       Single/Split Windows         ABSOLUTE AMPLITUDE ACCURACY       Absolute Point       Center-160 MHz; RBW 10 kHz; VBW 1 kHz; span 100 kHz; log scale; 1 dB/div; peak detector; 23*C±1*C; Signal at Reference Level         Preamp Off       ± 0.3 dB       Ref level 0 dBm; 10 dB RF attenuation         Preamp Off       ± 0.3 dB       Ref level 0 dBm; -3.0 dB RF attenuation         Preamp Off       ± 0.4 dB       Attenuation: 10 dB; Reference: 160 MHz; 20 – 30*C       ± 0.5 dB         100 kHz - 2.0 GHz       ± 0.6 dB       Attenuation: 0 dB; Reference: 160 MHz; 20 – 30*C       ± 0.6 dB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 1 MHz-10 MHz < -142 dBm + 3 x (f/1 GHz) dB Nominal Nominal<br>10 MHz-3.25 GHz <-142 dBm + 3 x (f/1 GHz) dB Nominal<br>10 MHz-3.25 GHz <-142 dBm + 3 x (f/1 GHz) dB Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nominal<br>Nomin                                                       |
| 10 MHz-3.25 GHz< -142 dBm + 3 x (f/1 GHz) dB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Scales<br>Units<br>Marker Level Readout     Log, Linear<br>dBm, dBmV, dBuV, V, W<br>0.01 dB<br>0.01 % of reference level<br>0.01 % of reference level<br>0.02 % of reference level<br>0.02 % of reference level<br>0.03 dB<br>0.03 dB<br>0.04 M = 2.0 GHz<br>0.04 M = 2.0 GHz<br>0.05 dB in 1 dB step<br>0.05 dB in 1 d |
| Units<br>Marker Level ReadoutdBm, dBm, V, BW, V, W<br>0.01 dB<br>0.01 % of reference levelLog scale<br>Linear scaleLevel Display ModesTrace, Topographic, SpectrogramSingle/Split WindowsNumber of Traces<br>Petercor4<br>Positive-peak, negative-peak, sample, normal, RMS (not Video),<br>View, Blank, Average (EMI), Average (EMI), Clear & Write, Max/Min Hold,<br>View, Blank, Average (EMI), Average (EMI), Clear & Write, Max/Min Hold,<br>View, Blank, Average (EMI), Average (EMI), Clear & Write, Max/Min Hold,<br>View, Blank, Average (EMI), Clear & Write, Max/Min Hold,<br>View, Blank, Average (EMI), Average (EMI), Clear & Write, Max/Min Hold,<br>View, Blank, Average (EMI), Average (EMI), Clear & Write, Max/Min Hold,<br>View, Blank, Average (EMI), Clear & Write, Max/Min Hold,<br>View, Blank, Average (EMI), Clear & Write, Max/Min Hold,<br>View, Blank, Average (EMI), Average (EMI), Clear & Write, Max/Min Hold,<br>View, Blank, Average (EMI), Clear & Write, Stand & Reflevel 0 dBm; 10 dB RF attenuation<br>View, Blank,                                                                                                                                                                                                                                                                                                                                                                                      |
| Imme of the function0.01 % of reference levelLinear scaleLevel Display ModesTrace, Topographic, SpectrogramSingle/Split WindowsNumber of Traces4DetectorQuasi-Peak, sample, normal, RMS (not Video),<br>Quasi-Peak (EMI), Average (EMI), Clear & Write, Max/Min HoldSingle/Split WindowsABSOLUTE AMPLITUDE ACCURACYEnter-160 MHz; RBW 10 kHz; VBW 1 kHz; span 100 kHz; log scale; 1 dB/div; peak detector; 23°C±1°C; Signal at Reference Level<br>Preamp Off± 0.3 dB<br>± 0.4 dBRef level 0 dBm; 10 dB RF attenuation<br>Ref level 0 dBm; 30 dB RF attenuationPreamp Off<br>Preamp Off<br>100 kHz - 2.0 GHz<br>2 GHz - 3 GHz<br>Preamp Off<br>2 GHz - 3 GHz<br>2 GHZ - 3 GHZ<br>3 GHZ<br>3 GHZ<br>3 GHZ<br>3 GHZ<br>3 G                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Level Display Modes       Trace, Topographic, Spectrogram       Single/Split Windows         Number of Traces       4       Positive-peak, negative-peak, sample, normal, RMS (not Video), Vausi-Peak (EMI), Average (EMI), Clear & Write, Max/Min Hold View, Blank, Average       Single/Split Windows         ABSOLUTE AMPLITUDE ACCURACY       Center=160 MHz; RBW 10 kHz; VBW 1 kHz; span 100 kHz; Useak detector; 23°C±1°C; Signal at Reference Level AdB         Preamp Off       ± 0.3 dB       Ref level 0 dBm; 10 dB RF attenuation         Preamp Off       ± 0.3 dB       Ref level 0 dBm; 30 dB RF attenuation         FREQUENCY RESPONSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Detector<br>Trace Functions       Positive-peak, negative-peak, sample, normal, RMS (not Video),<br>Quasi-Peak (EMI), Average (EMI), Clear & Write, Max/Min Hold,<br>View, Blank, Average         ABSOLUTE AMPLITUDE ACCURACY       E         ABSOLUTE AMPLITUDE ACCURACY       E         Absolute Point       Center=160 MHz; RBW 10 kHz; VBW 1 kHz; span 100 kHz; log scale; 1 dB/div; peak detector; 23°C±1°C; Signal at Reference Level<br>Preamp Off       Add         Preamp Off       ± 0.3 dB       Ref level 0 dBm; 1 0 dB RF attenuation<br>Reflevel 0 dBm; -30 dB RF attenuation       Reflevel 0 dBm; -30 dB RF attenuation         Preamp Off       Attenuation : 10 dB; Reference: 160 MHz; 20 ~ 30°C       ± 0.5 dB       Clear 4 ± 0.5 dB         Preamp On       Attenuation : 0 dB; Reference: 160 MHz; 20 ~ 30°C       ± 0.7 dB       Reflevel 0 dBm; -30 dB RF attenuation         ZGHZ - 3 GHz       ± 0.6 dB       ± 0.7 dB       Reference: 160 MHz; 20 ~ 30°C       Kefterence: 160 MHz; 20 ~ 30°C         I MB // 2 GHz       ± 0.7 dB       Attenuation: 0 dB; Reference: 160 MHz; 20 ~ 30°C       Kefterence: 160 MHz; 10dB attenuation         Attenuation: 0 dB; Reference: 160 MHz; 20 ~ 30°C       Kefterence: 160 MHz; 10dB attenuation       Reference: 100 MHz; 10dB attenuation         Qiety - 2 GHz       ± 0.5 dB       Reference: 160 MHz; 10dB attenuation       Reference: 160 MHz; 10dB attenuation         Attenuation: 0 dB; Reference: 10 MZ z BB       ± 0.25 dB       Reference: 10 MHz RBW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Trace FunctionsQuasi-Peak (EMI), Average (EMI), Clear & Write, Max/Min Hold,<br>View, Blank, AverageABSOLUTE AMPLITUDE ACCURACYABSOLUTE AMPLITUDE ACCURACYABSOLUTE AMPLITUDE ACCURACYPreamp Off± 0.3 dB± 0.3 dBPreamp Off± 0.4 dBREQUENCY RESPONSEPreamp OffAttenuation : 10 dB; Reference: 160 MHz; 20 ~ 30°C± 0.5 dB± 0.7 dBAttenuation: 0 dB; Reference: 160 MHz; 20 ~ 30°C± 0.5 dB± 0.7 dBPreamp OnAttenuation: 0 dB; Reference: 160 MHz; 20 ~ 30°C± 0.6 dB± 0.7 dBPreamp OnAttenuation: 0 dB; Reference: 160 MHz; 20 ~ 30°C± 0.5 dB± 0.7 dBReference SettingUncertainty± 0.5 dBtenuator : 0 dB; Reference: 160 MHz; 20 ~ 30°C± 0.5 dB± 0.5 dBTREQUENCYVerall Amplitude Accuracy± 1.5 dB± 0.5 dB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| ABSOLUTE AMPLITUDE ACCURACY       Center=160 MHz ; RBW 10 kHz; VBW 1 kHz; span 100 kHz; log scale; 1 dB/div; peak detector; 23°C±1°C; Signal at Reference Level         Preamp Off       ± 0.3 dB       Ref level 0 dBm; 10 dB RF attenuation         Preamp On       ± 0.4 dB       Ref level 0 dBm; 10 dB RF attenuation         FREQUENCY RESPONSE       Attenuation : 10 dB; Reference: 160 MHz; 20 ~ 30°C       ± 0.7 dB         Preamp Off       Attenuation: 0 dB; Reference: 160 MHz; 20 ~ 30°C       ± 0.7 dB         100 kHz ~ 2 GHz       ± 0.6 dB       E       Reference : 160 MHz; 20 ~ 30°C         MHz ~ 3 GHz       ± 0.7 dB       Reference: 160 MHz; 20 ~ 30°C       Reference : 160 MHz; 20 ~ 30°C         I MHz ~ 2 GHz       ± 0.8 dB       Reference: 160 MHz; 20 ~ 30°C       Reference : 160 MHz, 10dB attenuation         Uncertainty       ± 0.25 dB       Reference : 160 MHz, 10dB attenuation       Reference : 160 MHz, 10dB attenuation         Hz ~ 1 MHz       ± 0.25 dB       Reference : 10 kHz RBW       Reference : 10 kHz RBW         Uvcertail Amplitude Accuracy       ± 1.5 dB       Reference i lo kHz RBW 1 kHz; after cal; Preamp Off Typical                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Absolute Point       Center=160 MHz ; RBW 10 kHz; VBW 1 kHz; span 100 kHz; log scale; 1 dB/div; peak detector; 23°C±1°C; Signal at Reference Level         Preamp Off<br>Preamp On       ± 0.3 dB<br>± 0.4 dB       Ref level 0 dBm; 10 dB RF attenuation<br>Ref level 0 dBm; -30 dB RF attenuation         FREQUENCY RESPONSE       Preamp Off<br>100 kHz ~ 2.0 GHz<br>2GHz ~ 3 GHz<br>2GHz ~ 3 GHz       Attenuation : 10 dB; Reference: 160 MHz; 20 ~ 30°C<br>± 0.5 dB<br>± 0.7 dB<br>± 0.7 dB       Attenuation: 0 dB; Reference: 160 MHz; 20 ~ 30°C<br>± 0.6 dB<br>± 0.8 dB       Reference: 160 MHz; 20 ~ 30°C         Attenuation: 0 dB; Reference: 160 MHz; 20 ~ 30°C       ± 0.8 dB       Reference: 160 MHz; 20 ~ 30°C         Mattenuation: 0 dB; Reference: 160 MHz; 20 ~ 30°C       ± 0.8 dB       Reference: 160 MHz; 20 ~ 30°C         I MHz ~ 2 GHz<br>2 GHz ~ 3 GHz       ± 0.6 dB       Reference: 160 MHz; 10dB attenuation       Reference: 160 MHz; 10dB attenuation         Mattenuator Setting<br>Uncertainty       0 ~ 50 dB in 1 dB step<br>± 0.25 dB       Reference: 10 MHz, 10dB attenuation       Reference: 10 MHz, 10dB attenuation         I Hz ~ 1 MHz       ± 0.25 dB       Reference: 10 kHz RBW       Reference: 10 kHz RBW       Reference is 0 kHz RBW         LEVEL MEASUREMENT UNCERTAINTY       ± 0.5 dB       20 ~ 30°C; frequency > 1 MHz; Signal input 0 ~ -50 dBm;<br>RBW Filter Cell 0 ~ -50 dBm; Input attenuation 10 dB;<br>RBW 10 kHz; VBW 1 kHz; 400 kHz; 400 kHz; 400 kHz; 700 kHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Preamp On     ± 0.4 dB     Ref level 0 dBm; -30 dB RF attenuation       FREQUENCY RESPONSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| FREQUENCY RESPONSEPreamp Off<br>100 kHz ~ 2.0 GHzAttenuation : 10 dB; Reference: 160 MHz; 20 ~ 30°C<br>$\pm 0.5$ dB2CHz ~ 3 GHz $\pm 0.7$ dB<br>Attenuation: 0 dB; Reference: 160 MHz; 20 ~ 30°C<br>$\pm 0.6$ dB2CHz ~ 3 GHz $\pm 0.6$ dB<br>$\pm 0.8$ dBAttenuation SwITCHING UNCERTAINTYAttenuator Setting<br>Uncertainty $0 ~ 50$ dB in 1 dB step<br>$\pm 0.25$ dBRBW FILTER SWITCHING UNCERTAINTY1 Hz ~ 1 MHz $\pm 0.25$ dBReference : 10 MHz, 10dB attenuationDiverall Amplitude Accuracy $\pm 1.5$ dB $\pm 0.5$ dB $20 ~ 30°C$ ; frequency > 1 MHz; Signal input 0 ~ -50 dBm;<br>Reference level 0 ~ -50 dBm; Input attenuation 10 dB;<br>RBW N 1 kHz; VBW 1 kHz; after cal; Preamp Off<br>Typical                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Preamp Off<br>100 kHz ~ 2.0 GHzAttenuation : 10 dB; Reference: 160 MHz; 20 ~ 30°C<br>$\pm 0.5 dB$ 2GHz ~ 3 GHz $\pm 0.7 dB$<br>Attenuation: 0 dB; Reference: 160 MHz; 20 ~ 30°C<br>$\pm 0.6 dB$ 2 GHz ~ 2 GHz $\pm 0.6 dB$ Attenuation: SWITCHING UNCERTAINTYAttenuator Setting<br>Uncertainty $0 ~ 50 dB in 1 dB step$<br>$\pm 0.25 dB$ 1 Hz ~ 1 MHz $\pm 0.25 dB$ LEVEL MEASUREMENT UNCERTAINTYOverall Amplitude Accuracy $\pm 1.5 dB$ $\pm 0.5 dB$ $20 ~ 30°C$ ; frequency > 1 MHz; Signal input 0 ~ -50 dBm;<br>Reference level 0 ~ -50 dBm; Input attenuation 10 dB;<br>RBW Hz; vBW 1 kHz; after cal; Preamp Off<br>Typical                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 2GHz ~ 3 GHz       ± 0.7 dB<br>Attenuation: 0 dB; Reference: 160 MHz; 20 ~ 30°C         1 MHz ~ 2 GHz       ± 0.6 dB<br>± 0.8 dB         2 GHz ~ 3 GHz       ± 0.6 dB<br>± 0.8 dB         Attenuation: 0 dB; Reference: 160 MHz; 20 ~ 30°C         # 0.8 dB         ATTENUATION SWITCHING UNCERTAINE         Attenuator Setting<br>Uncertainty       0 ~ 50 dB in 1 dB step<br>± 0.25 dB         RBW FILTER SWITCHING UNCERTAINE         I Hz ~ 1 MHz       ± 0.25 dB         REVE INCERTAINE         Overall Amplitude Accuracy       ± 1.5 dB         ± 0.5 dB       20 ~ 30°C; frequency > 1 MHz; Signal input 0 ~ .50 dBm;<br>Reference level 0 ~ .50 dBm; Input attenuation 10 dB;<br>RBW 1 kHz; VBW 1 kHz; after cal; Preamp Off                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 1 MHz ~ 2 GHz       ± 0.6 dB         2 GHz ~ 3 GHz       ± 0.8 dB         ATTENUATION SWITCHING UNCERTAINTY         Attenuator Setting<br>Uncertainty       0 ~ 50 dB in 1 dB step<br>± 0.25 dB         RBW FILTER SWITCHING UNCERTAINTY         I Hz ~ 1 MHz       ± 0.25 dB         REVELIMEASUREMENT UNCERTAINTY         Overall Amplitude Accuracy       ± 1.5 dB         ± 0.5 dB       20 ~ 30°C; frequency > 1 MHz; Signal input 0 ~ -50 dBm;<br>Reference level 0 ~ -50 dBm; Input attenuation 10 dB;<br>RBW I kHz; VBW 1 kHz; after cal; Preamp Off<br>Typical                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| ATTENUATION SWITCHING UNCERTAINTY         Attenuator Setting<br>Uncertainty $0 \sim 50 \text{ dB in 1 dB step} \pm 0.25 \text{ dB}$ Reference : 160 MHz, 10dB attenuation         RBW FILTER SWITCHING UNCERTAINTY $\pm 0.25 \text{ dB}$ Reference : 10 kHz RBW         LEVEL MEASUREMENT UNCERTAINTY $\pm 0.25 \text{ dB}$ Reference : 10 kHz, Signal input 0 ~ -50 dBm;<br>Reference level 0 ~ -50 dBm; Input attenuation 10 dB;<br>RBW I kHz; VBW 1 kHz; after cal; Preamp Off<br>Typical                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Attenuator Setting<br>Uncertainty       0 ~ 50 dB in 1 dB step<br>± 0.25 dB       Reference : 160 MHz, 10dB attenuation         RBW FILTER SWITCHING UNCERTAINTY       Image: the state of                                                                                                                                                                                                                                                                                                                                    |
| RBW FILTER SWITCHING UNCERTAINTY         1 Hz ~ 1 MHz       ± 0.25 dB       Reference : 10 kHz RBW         LEVEL MEASUREMENT UNCERTAINTY         Overall Amplitude Accuracy       ± 1.5 dB         20 ~ 30°C; frequency > 1 MHz; Signal input 0 ~ .50 dBm;<br>Reference level 0 ~ .50 dBm; Input attenuation 10 dB;<br>RBW 1 kHz; VBW 1 kHz; after cal; Preamp Off<br>Typical                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 1 Hz ~ 1 MHz     ± 0.25 dB     Reference : 10 kHz RBW       LEVEL MEASUREMENT UNCERTAINTY     20 ~ 30°C; frequency > 1 MHz; Signal input 0 ~ -50 dBm;<br>Reference level 0 ~ -50 dBm; Input attenuation 10 dB;<br>RBW 1 kHz; VBW 1 kHz; after cal; Preamp Off<br>Typical                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Overall Amplitude Accuracy       ± 1.5 dB       20 ~ 30°C; frequency > 1 MHz; Signal input 0 ~ -50 dBm;<br>Reference level 0 ~ -50 dBm; Input attenuation 10 dB;<br>RBW 1 kHz; VBW 1 kHz; after cal; Preamp Off<br>Typical                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| ± 0.5 dB Reference level 0 ~ -50 dBm; Input attenuation 10 dB;<br>BBW 1 kHz; VBW 1 kHz; after cal; Preamp Off<br>Typical                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| ± 0.5 dB RBW 1 kHz; VBW 1 kHz; after cal; Preamp Off<br>Typical                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Second Harmonic Intercept Preamp off; signal input -30dBm; 0 dB attenuation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| +35 dBm<br>+60 dBm Typical; 10 MHz < fc < 775 MHz<br>Typical; 775 MHz ≤ fc < 1.625 GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Third-order Intercept         Preamp off; signal input -30dBm; 0 dB attenuation           > 1dBm         300 MHz ~ 3 GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Input Related Spurious     < -60 dBc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| input terminated; V dB attenuation; Preamp off                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|---------------------------|---------------------------------------|------------------|-------------------------------------------------------------------|--|--|
| SWEET NOW         Second 2014                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | SPECIFICATIONS<br>SWEEP                    |                           |                                       |                  |                                                                   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                            |                           |                                       |                  |                                                                   |  |  |
| Samp Mark         Contracts (might mark)         Interface (might mark)           PERSON LINE (NUT/OUTPUT         Nummal (mark)         Nummal (mark)           PERSON Line (NUT/OUTPUT)         Nummal (mark)         Nummal (mark)           PERSON Line (NUT)         Nummal (mark)         Nummal (mark)           PERSON Line (NUT/OUTPUT)         Nummal (mark)         Nummal (mark)           PERSON Line (NUT)         Nummal (Muth School)         Nummal (Muth School)           PERSON Line (NUT/OUTPUT)         Nummal (Muth School)         Nummal (Muth School)           PERSON Line (NUT/OUTPUT)         Nummal (Muth School)         Nummal (Muth School)           PERSON Line (NUT)         Nummal (Nummal (NUT)         Nummal (Nummal (NUT)           PERSON Line (NUT)         Nummal (Nummal (NUT)         Nummal (Nummal (NUT)           PERSON Line (NUT)         Nummal (NUT)         Nummal (Nummal (NUT)           PERSON Line                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Range                                      | 204 µs ~ 1000 s           |                                       |                  |                                                                   |  |  |
| Tight September         Devalues or regions or regions         Image: September Septe                                                                                                                                                                                                                                                                                                                                                                              |                                            | Continuous; Single        |                                       |                  | Span = 0 Hz; Min resolution = 10µ s                               |  |  |
| RF PREAMULTINE  Receive Function  RF PREAMULTINE  Receive Function  RF PREAMULTINE  Receive Function  RF PREAMULTINE  RF PREAMULTINE RF PREAMULTINE  RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE RF PREAMULTINE                                                                                                                                                                                                                                                                                                                                     |                                            | Free run; Video; External |                                       |                  |                                                                   |  |  |
| Tagework         1.844 - 1.CH-         Nominal (include strandord)           Ministry         Ministry         Ministry           Ministry         Ministry         Ministry           Ministry         Ministry         Ministry           Ministry         Ministry         Ministry           Ministry         Description         Ministry           Ministry         Description         Ministry           Ministry         Description         Support Full(inity) (Low speed           Ministry         Ministry         Ministry           Ministry         Mi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                            | rositive of negativ       | ie euge                               |                  |                                                                   |  |  |
| FROM PANEL INFUT/OUTPUT         Notes and the second s                                                                                                                                                                                                                                                                                                                                                                     |                                            | 1 MHz ~ 3 GHz             |                                       |                  |                                                                   |  |  |
| Investre         Number         Number         Number         Number           View         3.8.1         Number         Number         Number         Number           View         3.8.1         Number         Number         Number         Number           View         D2         Provide         Number         Number         Number         Number           View         D2         Provide         Number         Number         Number         Number           View         Statistics         Statistics         Statistics         Statistics         Number           View         Statistics         Statistics         Statistics         Number         Number           View         Statistics         Statistics         Statistics         Number         Number           View         Statistics         Statistics         Number         Open collector         Number           View         Statistics         Number         Open collector         Number         Number           View         Statistics         Number         Open collector         Number         Number           View         Statistics         Number         Open collector         Number         Number <t< td=""><td></td><td colspan="3"></td><td>Nominal (installed as standard)</td></t<>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                            |                           |                                       |                  | Nominal (installed as standard)                                   |  |  |
| Consister Type Consis                                                                                                                                                                                                                                                                                                                                     | ,                                          |                           |                                       |                  |                                                                   |  |  |
| Stage         507         Nominal         Dots 1: 100         Stage 1: 100           Source FOR FOR CONCE         Stage 1: 100         Stage 1: 100         Stage 1: 100         Stage 1: 100           Source FOR FOR CONCE         Stage 1: 100         Stage 1: 100         Stage 1: 100         Stage 1: 100           Source FOR FOR CONCE         Stage 1: 100         Stage 1: 100         Stage 1: 100         Stage 1: 100           Source FOR FOR CONCE         Stage 1: 100         Stage 1: 100         Stage 1: 100         Stage 1: 100           Source FOR FOR CONCE         Stage 1: 100         Stage 1: 100         Stage 1: 100         Stage 1: 100           Stage 1: 100         Stage 1: 100         Stage 1: 100         Stage 1: 100         Stage 1: 100           Stage 1: 100         Stage 1: 100         Stage 1: 100         Stage 1: 100         Stage 1: 100           Stage 1: 100         Stage 1: 100         Stage 1: 100         Stage 1: 100         Stage 1: 100           Stage 1: 100         Stage 1: 100         Stage 1: 100         Stage 1: 100         Stage 1: 100           Stage 1: 100         Stage 1: 100         Stage 1: 100         Stage 1: 100         Stage 1: 100         Stage 1: 100         Stage 1: 100         Stage 1: 100         Stage 1: 100         Stage 1: 100         Stage 1: 100 <td></td> <td>N-type female</td> <td></td> <td></td> <td></td>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                            | N-type female             |                                       |                  |                                                                   |  |  |
| Novee Food cortical Concenter Type  Secondary Type Secondary Type Secondary Type Secondary Type Secondary Type Secondary Type Secondary Type Secondary Type Secondary Type Secondary Type Secondary Type Secondary Type Secondary Type Secondary Type Secondary Type Secondary Type Secondary Type Secondary Type Secondary Type Secondary Type Secondary Type Secondary Type Secondary Type Secondary Type Secondary Type Secondary Type Secondary Type Secondary Type Secondary Type Secondary Type Secondary Type Secondary Type Secondary Type Secondary Type Secondary Type Secondary Type Secondary Type Secondary Type Secondary Type Secondary Type Secondary Type Secondary Type Secondary Type Secondary Type Secondary Type Secondary Type Secondary Type Secondar                                                                                                                                                                                                                                                                                                                                      | Impedance                                  | 50Ω                       |                                       |                  |                                                                   |  |  |
| Wate your of the control protection of protection                                                                                                                                                                                                                                                                                                                                                      |                                            | <1.0.1                    |                                       |                  | SOUREZ~S GEZ; Input attenuator = 10 dB                            |  |  |
| Use Note:<br>Segment Fully My Low Space<br>Segment Fully My Lo                                                                                                                                                                                   |                                            |                           |                                       |                  |                                                                   |  |  |
| Consector Type Version 2.0 Support Cull/Tight/Low speed MICE Data Version 2.0 Support Cull/Tight/Low Support USS TMC MICE Data Version 2.0 Support Cull/Tight/Low speed MICE Data Version 2.0 Support Cull/Tight/Low speed MICE Data Version 2.0 Support Cull/Tight/Low speed MICE Data Version 2.0 Support Cull/Tight/Low Support USS TMC MICE Data Version 2.0 Support Cull/Tight/Low speed MICE Data Version 2.0 Support Cull/Tight/Low speed MICE Data Version 2.0 Support Cull/Tight/Low Support USS TMC MICE Data Version 2.0 Support Cull/Tight/Low Support USS TMC MICE Data Version 2.0 Support Cull/Tight/Low Support USS TMC MICE Data Version 2.0 Support Cull/Tight/Low Support USS TMC MICE Data Version 2.0 Support Cull/Tight/Lo                                                                                                                                                                                                                                                                                                                                     | • •                                        | DC +7V/500 mA r           | nax                                   |                  | With short-circuit protection                                     |  |  |
| Network         Variation 10         Support Hull/Hight/daw speed           Method Sto Socker         Non 30, Metro SD, Metro SDHC         Up to 32GB capacity           RARE PANEL INPUT/CUTPUT         BNC formale         Non 10, Metro SD (Nors SDHC)           RARE PANEL INPUT/CUTPUT         BNC formale         Non 10, Metro SD (Nors SDHC)           Rest Panel, INPUT/SUPURIAL         BNC formale         Non 10, Metro SDHC)           Rest Panel, INPUT/SUPURIAL         Non 10, Metro SDHC)         Non 10, Metro SDHC)           Rest Panel, INPUT/SUPURIAL         Non 10, Metro SDHC)         Non 10, Metro SDHC)           Consector Type         BNC formale         Open collector           Consector Type         Rest Formale         Open collector           Rest Panel, INPUT/SUPURIAL         Non 10, Metro SDHC)         Depart collector           Consector Type         Rest Formale         Open collector           Rest Panel, INPUT/SUPURIAL         Support Full/Hype/Low speed         Support Full/Hype/Low speed           Consector Type         Rest Formale         Support Full/Hype/Low speed         Support Full/Hype/Low speed           Consector Type         Rest Formale         Support Full/Hype/Low speed         Support Full/Hype/Low speed           Consector Type         Departs         Support Full/Hype/Low speed         Support Full/Hype/Low sp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                            | Aplug                     |                                       |                  |                                                                   |  |  |
| Personal Support Conf. Up to 32-02 Capacity Up to 3                                                                                                                                                                                                                                                                                                                                     |                                            |                           |                                       |                  | Support Full/High/Low speed                                       |  |  |
| Support Cardia<br>REAR PANEL INFUT/COUTOUT<br>REFERENCE OUTPUT<br>REFERENCE OUTPUT<br>REFERENCE OUTPUT<br>REFERENCE OUTPUT<br>REFERENCE OUTPUT<br>REFERENCE OUTPUT<br>REFERENCE OUTPUT<br>REFERENCE OUTPUT<br>Connector Type<br>Input Meetings<br>Results of the input reference frequency<br>Workin a 2 ppon of the input reference frequency<br>Workin a 2 ppon of the input reference frequency<br>Workin a 2 ppon of the input reference frequency<br>Results of the input reference frequency                                                                                                                                                                                                                         |                                            |                           |                                       |                  | 1                                                                 |  |  |
| REAR PANEL INFUT/OUTPUT Generator Type Generator Ty                                                                                                                                                                                                                                                                                                                                     |                                            |                           | SDHC                                  |                  | Up to 32GB capacity                                               |  |  |
| Conserver Type BNC Granker Space Spa                                                                                                                                                                                                                                                                                                                                     |                                            |                           |                                       |                  |                                                                   |  |  |
| Oddge Engelands<br>Depute Integrations<br>Depute Integrations         IO Mile<br>Depute Integrations         Nominal<br>Depute Integrations           REFERENCE INFUT<br>Depute Integrations<br>Integrations Represented To<br>Base Medication References (Region C)         Open collector           REFERENCE INFORM         INC female<br>Domain 1: 2000         Deput collector           REFERENCE INFORM         INC female<br>Domain 1: 2000         Deput collector           Connector Type<br>Deputs Manufactor         INC female<br>Domain 1: 2000         Deput collector           Connector Type<br>Deputs Manufactor         INC female<br>Domain 1: 2000         Deput collector           Connector Type<br>Deputs Manufactor         INC female<br>Domain 1: 2000         Deput collector           Connector Type<br>Deputs Manufactor         INC female<br>Domain 1: 2000         Deput collector           Connector Type<br>Deputs Manufactor         INC female<br>Domain 1: 2000         Deput collector           Connector Type<br>Deputs Manufactor         State Interview In                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                            | 1                         |                                       |                  | I.                                                                |  |  |
| Dubyle Ampletede     3.3 V CMOS       Compact Projection     BRC Forwale 100 MHz       Compact Projection     Soften = 100 mm       Soften = 100 mm     Soften = 100 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                            |                           |                                       |                  | Nominal                                                           |  |  |
| Bereference invest         BNC female<br>proof Medinates<br>in the Marge in Using 2 in 0 data in<br>the Marge in Using 2 in 0 data in<br>the marge investor in the input reference frequency.         Open collector           ALARM OUTPUT         BNC female<br>in the Marge in Using 2 in 0 data in<br>the input reference in the input r                                                                                                                                                                                                                                                                                                                                                                                               | Output Amplitude                           |                           |                                       |                  | Nomina                                                            |  |  |
| Connector Type provided and pro                                                                                                                                                                                                                                                                                                                                     | <u> </u>                                   | 50 Ω                      |                                       |                  |                                                                   |  |  |
| Imple Machine Frequency         10 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                            | BNC female                |                                       |                  |                                                                   |  |  |
| Endealers (Jock Range)         Within a Sport of the input reference frequency           ALMN OUTPUT         BNC female         Open collector           Connector Type         BNC female         Open collector           Standard DUTPUT         BNC female         Open collector           Connector Type         BNC female         Standard           Standard DUTERACE         For remote control only, supports USB TMC           Connector Type         BLMC female         Norminal           Standard DUTERACE         Standard DUTERACE         Norminal           Connector Type         Staff frame         Norminal           If OUTPUT         Connector Type         Staff frame         Norminal           Connector Type         Staff frame         Norminal         Norminal           If OUTPUT         Connector Type         Staff frame         Norminal           Connector Type         Staff frame         Norminal         Norminal           MIRED OUTPUT         Connector Type         Staff frame         Norminal           MIRED OUTPUT         Connector Type         Staff frame         Norminal           MIRED OUTPUT         Connector Type         Staff frame         Norminal           MIRED OUTPUT         Connet Connector Type         Staff frame                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Input Reference Frequency                  | 10 MHz                    | ~                                     |                  |                                                                   |  |  |
| ALAMA OUTPUT       BNC female       Open collector         RIGGER INVUT/CATO SVEPT INVUT       BNC female       Open collector         RIGGER INVUT/CATO SVEPT INVUT       BNC female       Open collector         Switch       Auto selection by function       Auto selection by function         Aut CP/IP INTERACE       Environment Type       BNC female         Comments Type       BLAC female       For remote control only, supports USB TMC         Supports Full/High/Low speed       Supports Full/High/Low speed       Norminal         Proceed       DVH (integrated analog and digital). Single Link. Compatible with VCA or HDMI standard through adapter         BE326 INTERACE       DVH (integrated analog and digital). Single Link. Compatible with VCA or HDMI standard through adapter         BE326 INTERACE       DVH (integrated analog and digital). Single Link. Compatible with VCA or HDMI standard through adapter         Comment Type       Due 2 pip female       Tv. Ret, RTS _ CTS         Comment Type       Due 2 pip female       Tv. Ret, RTS _ CTS         Comment Type<                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                            |                           |                                       | iency            |                                                                   |  |  |
| TRECCE. INFUT_CATED SWEEP INPUT         Sametar Type       BNC finale         Sametar Type       BNC finale         Sametar Type       BLAS         Sametar Type       SAM Finale         Sometar Type       DV14 (Integrated analog and digital), Single Link. Compatible with VCA or HDMI standard through adapter         Scaze Control Type       DV14 (Integrated analog and digital), Single Link. Compatible with VCA or HDMI standard through adapter         Scaze Control Type       DV14 (Integrated analog and digital), Single Link. Compatible with VCA or HDMI standard through adapter         Scaze Control Type       DV14 (Integrated analog and digital), Single Link. Compatible with VCA or HDMI standard through adapter         Scaze Control Type       DV14 (Integrated analog and digital), Si                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                            |                           |                                       |                  |                                                                   |  |  |
| Connector Type         BNC female<br>3.0 V (MOS<br>Auto selection by function           LAN COPP INTERACE<br>Connector Type         Ref-4<br>198ase T: 1088ase T: Auto-MDIX           LAN COPP INTERACE<br>Connector Type         Ref-4<br>198ase T: 1088ase T: Auto-MDIX           LAN COPP INTERACE<br>Connector Type         Ref-4<br>198ase T: 1088ase T: Auto-MDIX           LAN COPP INTERACE<br>Connector Type         Ref-4<br>198ase T: 1088ase T: Auto-MDIX           Connector Type         SA female<br>30.0<br>30.0<br>30.0<br>30.0<br>30.0<br>50.0<br>30.0<br>50.0<br>5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                            |                           |                                       |                  | Open-collector                                                    |  |  |
| Input Amplitude         3.3V CMOS           Input Amplitude         3.3V CMOS           INF CZPIP INTERFACE         Index selection by function           Connector Type         B plug           IS OUTPUT         For mone control only: supports USB TMC           Connector Type         B plug           IF OUTPUT         For mone control only: supports USB TMC           Connector Type         SMA female           SO THERFACE         Nominal           Connector Type         SAm female           SO THERFACE         Nominal           Connector Type         Sam stero jack wired for mone operation           IDE CONTUNT         So Connector Type           Connector Type         Dubl 9 pin female         Tr., Rx, RTS, CTS           CHE REFACE         So Connector Type           So Connector Type         Dubl 9 pin female         Tr., Rx, RTS, CTS           CHE REFACE (OPTIONAL)         Connector Type           Connector Type         Dubl 9 pin female         Tr., Rx, RTS, CTS           CHE REFACE (OPTIONAL)         Connector Type           Connector Type         Dubl 9 pin female         Tr., Rx, RTS, CTS           CHE REFACE (OPTIONAL)         Connector Type           Connector Type         Coll 10 (20 (20 (20 (20 (20 (20 (20 (20 (2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Connector Type                             | BNC female                |                                       |                  |                                                                   |  |  |
| LAN TERFACE       NI-45         Date Property       NI-45         Base       NI-45         Dispective       By Dug         Somedor Type       By Dug         For remote control only: supports USB TMC         Supports Pull (Flgh/Low specie)         Connector Type         In Galaxies         In Galaxies         In Galaxies         Difference         Sign         Difference         Sign         Difference                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Input Amplitude                            | 3.3V CMOS                 | function                              |                  |                                                                   |  |  |
| Base         108ase-T; Lobest-T; Auto-MDIX           SUB DEVICE         Epling         For remote control only; supports USB TMC<br>Supports Full/High/Low speed           Connector Type         Byling         Supports Full/High/Low speed           IF OUTPUT         Sometor Type         Supports Full/High/Low speed           Output Level         35 dBm         Nominal           Nominal         Nominal         Nominal           Nometor Type         3.5mm stereo jack, wired for mono operation         Id Batemusion; RF Input : 0.dBm @ 1.CHz           CARPHONE OUTPUT         Connector Type         DVH (integrated analog and digital), Single Link. Compatible with VGA or HDMI standard through adapter           KE3226 UNTERFACE         Extension; State (OPTIONAL)         Extension; State (OPTIONAL)           Connector Type         D-sub 9-pin female         Tx. Rx, RTS, CTS           WITEW DEVICE         Auto range selection         Extension; State (OPTIONAL)           Battery Pack         C cold V - 240 V, Sol/60 Hz         Auto range selection           Battery Pack         C cold V - 240 V, Sol/60 Hz         Auto range selection           Battery Pack         C cold X, Cold V - 240 V, Sol/60 Hz         Auto range selection           Battery Pack         Sol M - 0.5 J         Sol M - 0.5 J           Dopicl 103 Mign 2 - 3 GFL         Sol M - 0.5 J <td></td> <td>Futo Selection by</td> <td>lanction</td> <td></td> <td></td>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                            | Futo Selection by         | lanction                              |                  |                                                                   |  |  |
| USB DEVICE USB DEVICE USB DEVICE USB DEVICE USB DEVICE Protect                                                                                                                                                                                                                                                                                                                                     |                                            |                           |                                       |                  |                                                                   |  |  |
| Consector Type Percent Construction Type Percent Construction Type Statul (High/Low speed Statul Consector Type Statul Consector Type Distance Statul Consector Type Distance Statul Consector Type Distance Statul Consector Type Cons                                                                                                                                                                                                                                                                                                                                     |                                            | 10Base-1; 100Base         | e-Ix; Auto-MDIX                       |                  |                                                                   |  |  |
| Protocol         Version 2.0         Supports Full/High/Low speed           FOUTPUT         SMA female         Nominal           Gamestor Type         SMA female         Nominal           Base Mark         Staff female         Nominal           Output Level         32.6 Min         10.0 B attenuation; RF input : 0.6 Bm @ 1.CHz           Connector Type         DU11 (integrated analog and digital), Single Link. Compatible with VGA or HDMI standard through adapter           R52.32C INTERFACE         Connector Type         DU11 (integrated analog and digital), Single Link. Compatible with VGA or HDMI standard through adapter           R52.32C INTERFACE         Connector Type         Du10.1 (integrated analog and digital), Single Link. Compatible with VGA or HDMI standard through adapter           R52.32C INTERFACE (OPTIONAL)         Editer Type         Du10.1 (integrated analog and digital), Single Link. Compatible with VGA or HDMI standard through adapter           R52.32C INTERFACE (OPTIONAL)         Editer Type         Du10.1 (integrated analog and digital), Single Link. Compatible with VGA or HDMI standard through adapter           R52.32C INTERFACE (OPTIONAL)         Editer Type         Du10.1 (integrated analog and digital), Single Link. Compatible with VGA or HDMI standard through adapter           R52.32C INTERFACE (OPTIONAL)         Editer Type         Du10.1 (integrated analog and digital), Single Link. Compatible with VGA or HDMI standigital           Row Group Pack                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                            | B plug                    |                                       |                  | For remote control only; supports USB TMC                         |  |  |
| Consector Type S94 More Consector Type S94 More Consector Type S95 More Consector Type S95 More Consector Type S95 More Consector Type S95 More Consector Type DVI-1 (integrated analog and digital), Single Link. Compatible with VGA or HDMI standard through adapter S95 More Consector Type S95 Mo                                                                                                                                                                                                                                                                                                                                     |                                            | Version 2.0               |                                       |                  |                                                                   |  |  |
| Impedance<br>Prequency<br>23 dBm         S012<br>38 MHz         Nominal<br>Nominal<br>10 dB aternuation; RF input : 0 dBm @ 1 CHz           EARPHONE OUTPUT         3.5mm stereo jack, wired for mono operation         10 dB aternuation; RF input : 0 dBm @ 1 CHz           Connector Type<br>NOEC OUTPUT         0.5.1mm stereo jack, wired for mono operation         10 dB aternuation; RF input : 0 dBm @ 1 CHz           Connector Type<br>BS-222 INTERFACE<br>Connector Type<br>Consector Consector T                                                                                                                                                                        |                                            | SMA female                |                                       |                  |                                                                   |  |  |
| Output level       -23 dBm       10 dB attenuation; RF input: 0 dBm @0 1 CHz         EARPHONE CUTPUT       3.5mm stereo jack, wired for mono operation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Impedance                                  | 50 Ω                      |                                       |                  |                                                                   |  |  |
| Connector Type       3.5mm sterep jack, wired for mono operation         Connector Type       OV-I (integrated analog and digital), Single Link. Compatible with VGA or HDMI standard through adapter         R5:320 INTERACE       D-sub 9-pin female       Tx , Rx , RTS , CTS         GRIB INTERACE       D-sub 9-pin female       Tx , Rx , RTS , CTS         GRIB INTERACE (OPTIONAL)       Acto range selection         Marter Pract (OPTIONAL)       Collo, L-lonn chargeable, 352P       With UN38.3 Certification         Core Collo, Storage       Collo, L-lonn chargeable, 352P       With UN38.3 Certification         Core Row       Collo, L-lonn chargeable, 352P       With UN38.3 Certification         Core - 7:0 C       Storage       Storage         Dimensions & Weight       100 Mktz - 3 GHz       Storage         Storage       100 Mktz - 3 GHz       Storage         Output SYME       -16:1       Storage         Net: The specification subject to charge without notice. CSP-9300B is powered on for at least 30 minutes       Stop (Marcial 200 Mkt - 3 GHz, source attenuation 212 dB         ODE PERIONE (INFORMATION       Core 10 °C : unless specified otherwise.       Stop (Carrying Gase GRACHS)         CACESSORIES       Core 10 °C : unless specified otherwise.       Stop (Carrying Gase GRACHS)         Core Cord: Certificate of Calibration, CD-ROM (with Quck Start Cuide, User Manal).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                            | 886 MHz                   |                                       |                  |                                                                   |  |  |
| VIDEO OUTPUT         Output           Connector Type         DV-LI (integrated analog and digital). Single Link. Compatible with VCA or HDMI standard through adapter           R5232C INTERFACE         Connector Type           GPIB INTERFACE (OPTIONAL)         EEE-488 bus connector           CAP COVER INPUT         AC 100 V – 240 V, 50/60 Hz           Partner VACK (OPTIONAL)         6 cells, Lifer rechargeable, 352P           With UN3.3 Certification         5 connector           Battery Pack         6 cells, Lifer rechargeable, 352P           Varm-up Time         5 connector           Temperature Range         5 cc - + 45 °C           Dimensions & Weight         100 HHz - 3 CHz           J3 (W) x 33(U) x 33(U) inch, Approx. 4 Sitg         Storage           J3 (W) x 33(U) x 33(U) inch, Approx. 9 9lb         Storage           Frequency Range         100 HHz - 3 CHz           Output Power         100 HHz - 3 CHz           Output Storage         100 Hz - 3 CHz           Output Storage         100 Hz - 3 CHz           Output Stoware         100 Hz - 3 CHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                            |                           |                                       |                  | ·<br>·                                                            |  |  |
| Connector Type         DVI-I (integrated analog and digital), Single Link. Compatible with VGA or HDMI standard: through adapter           RS-232C INTERFACE<br>Connector Type         D-sub 9-pin female         Tx, Rx, RTS, CTS           CHIE INTERFACE (OPTIONAL)         Connector Type         IEEE-488 bus connector           AC POWER INPUT<br>Power Source         AC 100 V – 240 V, 50/60 Hz         Auto range selection           BATTERY PACK (OPTIONAL)         Geclis, Li-Ion rechargeable, 352P         With UN38.3 Certification           Battery Pack (OPTIONAL)         Geclis, Li-Ion rechargeable, 352P         With UN38.3 Certification           Power Source         6 Cells, Li-Ion rechargeable, 352P         With UN38.3 Certification           Dinensions & Weight         16 MB nominal         Operating           TRACKINC CENERATOR (OPTIONAL)         5 Stander         Operating           Frequency Range         100 Hz - 3 CHz         Storge           Dimensions & Weight         100 Hz - 3 CHz         Storge           Trackinc CENERATOR (OPTIONAL)         Trackinc CENERATOR (OPTIONAL)         Storge           Frequency Range         100 KHz - 3 CHz         Storge           Contput Sweight         100 KHz - 3 CHz         Storge           Sogn Nominal         300 KHz - 3 CHz         Storge           Contput Sweight         100 KHz - 3 CHz         <                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                            | 3.5mm stereo jacl         | k, wired for mono operatio            | on               |                                                                   |  |  |
| R5232C INTERFACE       D-sub 9-pin female       Tx , Rx , RTS , CTS         G/HEINTERFACE (OPTIONAL)       D-sub 9-pin female       Tx , Rx , RTS , CTS         G/HEINTERFACE (OPTIONAL)       EEEE-488 bus connector       Act 100 V - 240 V, 50/50 Hz         Act POWER INPUT       Power Source       A C 100 V - 240 V, 50/50 Hz       Auto range selection         Battery Pack       0 C cells, Li-lon rechargeable, 352P       With UN38.3 Certification         Voltage       C coll & V       S200 mAh/56Vh         GENERAL       If 6 MB nominal       -65 W         Power Consumption       -65 W       -30 Frinzes         Voltage       16 MB nominal       -65 W         -20 C - + 70 °C       -30 Frinzes       -10 Power Consumption         -30 Frinzes       -30 Frinzes       -30 Frinzes         -20 C - + 70 °C       -30 C + 10 °C       -30 Power Consumption         -20 C - + 70 °C       -30 C + 10 °C       -30 Power Consumption         -20 C - + 70 °C       -30 C + 10 °C       -30 Power Consumption         -20 C - + 70 °C       -30 C + 10 °C       -30 Power Consumption         -20 C - + 70 °C       -30 C + 10 °C       -30 Power Consumption         -20 C - + 70 °C       -30 C + 10 °C       -30 Power Consumption         -20 C - + 70 °C       -30 C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                            | DVI-L (integrated         | analog and digital). Single           | Link. Compatible | with VGA or HDMI standard, through adapter                        |  |  |
| CPIE INTERFACE (OPTIONAL)       EEE 488 bus connector         AC DOWER INPUT       AC 100 V - 240 V, 50/50 Hz       Auto range selection         BATTERY PACK (OPTIONAL)       Collos V - 240 V, 50/50 Hz       Auto range selection         BATTERY PACK (OPTIONAL)       Collos V - 240 V, 50/50 Hz       Auto range selection         Battery Pack Voltage       C Collos V - 240 V, 50/50 Hz       With UN38.3 Certification         Down Consumption       C Collos V - 240 V, 50/50 Hz       With UN38.3 Certification         Power Consumption       - 65 W       Storage         Temperature Range       - 65 W       - 65 W         Dimensions & Weight       - 65 W       Storage         TRACKING CENERATOR (OPTIONAL)       Fequency Range       - 00 kHz - 3 CHz, source attenuation ≥ 12 dB         Notype Female       - 100 kHz - 3 CHz, source attenuation ≥ 12 dB       Sog: Nominal         Sonector Type       - 100 kHz - 3 CHz, source attenuation ≥ 12 dB       Specifications subject to change without notice. CSP-9300BC         ORDERINC INFORMATION       EMI Near Field Probe Set Cillos Contificate of Calibration, CD ROM (Hu Quick Start Guide, UW Munuk)       Option Tacking Generator Option S Cores of Option State Storage Calibration, CD ROM (Hu Quick Start Guide, UW Munuk)         Pewer Cond, Certificate of Calibration, CD ROM (Hu Quick Start Guide, UW Munuk)       Option Tacking Generator Option Stabyletery face       Option Calibr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                            |                           | 8 8 9, 8                              |                  |                                                                   |  |  |
| Connector Type         AC POWER INPUT         AC DOWER INPUT         Power Source       AC 100 V - 240 V, 50/60 Hz         BATTERY PACK (OPTIONAL)         Prequency Range (Output Power Consumption Work) x 30((h) x 10((h) x 100(D) mm, Approx. 4.5kg Inc. all options (Basic + TG + GPIB + Battery)         TRACKING CENERATOR (OPTIONAL)         Prequency Range (Output YSWR (Control Control (Control (Contro                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                            | D-sub 9-pin femal         | le                                    |                  | Tx , Rx , RTS , CTS                                               |  |  |
| AC DOVER INPUT       AC 100 V - 240 V, 50/60 Hz       Auto range selection         BATTERY PACK (OPTIONAL)       6 cells, Li-ion rechargeable, 352P       With UN38.3 Certification         Battery Pack (OPTIONAL)       6 cells, Li-ion rechargeable, 352P       With UN38.3 Certification         Capacity       5200 mAh/SWh       General         GENERAL       16 MB nominal          Internal Data Storage       200 minal          Power Consumption       < 65 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | · · · · · ·                                |                           |                                       |                  | 1                                                                 |  |  |
| Power Source         AC 100 V - 240 V, 50/60 Hz         Auto range selection           BATTERY PACK (OPTIONAL)         6 cells, Linon rechargeable, 352P         With UN38.3 Certification           Battery PACK (OPTIONAL)         6 cells, Linon rechargeable, 352P         With UN38.3 Certification           CENERAL         16 MB nominal         5200 mAh/56Wh         Coperating           Internal Data Storage         16 MB nominal         -30 minutes         Coperating           -20 °C - + 45 °C         -20 °C - + 45 °C         Coperating         Storage           Dimensions & Weight         350(W) x 210(H) x 100(D) mm, Approx. 4.5kg         Inc. all options (Basic + TG + GPIB + Battery)           TRACKINC CENERATOR (OPTIONAL)         Frequency Range         500(2 Nominal         Operating           Frequency Range         100 kHz - 3 GHz         Specifications subject to change without notice. GSP-9300B is powered on for at least 30 minutes         Specifications subject to change without notice. GSP-9300BC           Output VSWR         Cl.6.11         300 KHz - 3 GHz         Opt03 GPIB Interface           Opt10 Tracking Generator         Opt03 GPIB Interface         Opt03 GPIB Interface           Opt02 Tracking Generator         Opt03 GPIB Interface         Opt02 Battery Pack           GENERAL         Ine Impedance Stabilization Network         Ine Impedance Stabilization Network         Ins                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                            | TEEE-488 DUS CON          | nector                                |                  |                                                                   |  |  |
| Battery Pack       6 cells, Li-lon rechargeable, 352P       With UN38.3 Certification         Voltage       5200 mAh/56Wh         CEPERAL       16 MB nominal         Power Consumption       -65 W         Varn-up Time       -65 W         Dimensions & Weight       0 CP 70 °C         Dimensions & Weight       -60 W         Trequency Range       100 kHz – 3 CHz         -20 °C – + 45 °C       -20 °C – + 70 °C         -20 °C – + 70 °C       350(V) x 210(H) × 100(D) mm, Approx. 4.5kg         Inc. all options (Basic + TG + CPIB + Battery)         Trequency Range       100 kHz – 3 CHz         Output Power       -50 dBm – 0 dBm in 0.5 dB steps         Nety Fermale       50(2) Nominal         Societ The specifications apply when the CSP-9300B is powered on for at least 30 minutes       Specifications subject to change without notice. CSP-9300BC         Corput YSWR       CGT-5060       GSP-3300B is Corput Stabilization Network         GT-5060       GSU Atta - SGR       OptiOl Tracking Generator         OPL03 Criticate of Calibration, CD-ROM (with Quick Start Guide, User Manual,       OPTIONAL         OOD WILL INSTRUMENT CO, LTD.       USA Subsidiary         NSCA28-0280 F + 886-2:228-0639       T+1-903-939-3051 F         MasSubsidiary       DOD WILL INSTRUMENT (M) SDN. BHD.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                            | AC 100 V ~ 240 V,         | 50/60 Hz                              |                  | Auto range selection                                              |  |  |
| Voltage<br>Capacity         DC 10.8 V<br>Sout mAh/SetWh           Cepacity         50 C 10.8 V<br>Sout mAh/SetWh           GENERAL           Internal Data Storage<br>Power Consumption<br>Varm-up Time         16 MB nominal<br>< 63 W<br>Son Time           Power Consumption<br>Varm-up Time         16 MB nominal<br>< 65 W<br>Son C - + 70 °C           Internal Data Storage<br>Temperature Range         0 perating<br>Storage<br>Inc. all options (Basic + TG + CPIB + Battery)           ISL (W) x 8.3 (U) inch, Approx. 9.9 b         Storage<br>Inc. all options (Basic + TG + CPIB + Battery)           TRACKING CENERATOR (OPTIONAL)         ************************************                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | . ,                                        | 1                         |                                       |                  | -<br>-                                                            |  |  |
| Capačity       5200 mAh/56Wh         GENERAL         Internal Data Storage<br>Power Consumption       16 MB nominal<br>< 30 minutes<br>: 40 minute |                                            |                           | argeable, 3S2P                        |                  | With UN38.3 Certification                                         |  |  |
| Internal Data Storage<br>Power Consumption<br>Temperature Range       16 MB nominal<br>< 45 W<br>(30 minutes<br>20 °C - + 70 °C         Dimensions & Weight       30 ofinutes<br>(20 °C - + 70 °C         Jointes       -20 °C - + 70 °C         20 °C - + 70 °C       -20 °C - + 70 °C         Dimensions & Weight       30 (VI) × 210(H) × 100(D) mm, Approx. 4.5kg<br>(3.8 (W) × 8.3 (H) × 3.9 (D) inch, Approx. 9.9 lb       Inc. all options (Basic + TG + GPIB + Battery)         TRACKING GENERATOR (OPTIONAL)       Frequency Range       100 kHz - 3 GHz<br>-50 dBm - 0 dBm in 0.5 dB steps<br>N-type female<br>< 1.6 : 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Capacity                                   |                           |                                       |                  |                                                                   |  |  |
| Power Consumption<br>Temperature Range       < 65 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                            |                           |                                       |                  | T                                                                 |  |  |
| Warm-up Time<br>Temperature Range<br>Dimensions & Weight       < 30 minutes<br>5 °C - + 45 °C<br>- 20 °C - + 70 °C<br>30 °C + 70 °C + 70 °C + 70 °C<br>30 °C + 70 °C + 7                      |                                            |                           |                                       |                  |                                                                   |  |  |
| -20 °C → 10 °C       -20 °C → 10 °C         350(W) × 210(H) × 100(D) mm, Approx. 4.5kg       Inc. all options (Basic + TG + GPIB + Battery)         TRACKING CENERATOR (OPTIONAL)       Frequency Range       100 Hz → 3 GHz         Output Power       100 Hz → 3 GHz       50 dBm → 0 dBm in 0.5 dB steps         Output VSWR       -16 : 1       50 GBm → 0 dBm in 0.5 dB steps         Note : The specifications apply when the CSP-9300B is powered on for at least 30 minutes to warm-up to a temperature of 20 °C to 30 °C, unless specified otherwise.       Specifications subject to change without notice. GSP-9300BC         ORDERING INFORMATION       Chinastopretature of 20 °C to 30 °C, unless specified otherwise.       Specifications subject to change without notice. GSP-9300BC         OPL01 Tracking Generator       OpL03 GPIB Interface       OpL03 GPIB Interface         OpL03 GPIB Interface       OpL03 GPIB Interface       OpL03 GPIB Interface         OpL03 GPIB Interface       OpL03 GPIB Interface       OpL03 GPIB Interface         Opt.01 Tracking Generator       Opt.03 GPIB Interface       OpL03 GPIB Interface         Opt.02 Battery Pack       USA. Subsidiary       Opt.03 GPIB Interface         Power Cord, Certificate of Calibration, CD-ROM (with Quick Start Guide, User Manual, Programming Manual, SpectrumShot Software, SpectrumShot Guide & IVI Driver       SpectrumShot PC Software for Windows System (available on GW Instek website IVI Driver Supports LabVIEV/LabWindows/CVI Programming (av                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Warm-up Time                               |                           |                                       |                  | Operating                                                         |  |  |
| 13.8 (W) × 8.3 (H) × 3.9 (D) inch, Approx. 9.9 (B)         TRACKING CENERATOR (OPTIONAL)         Frequency Range<br>Output Power<br>Connector Type<br>Output VSWR       100 kHz ~ 3 GHz<br>-50 dBm - 0 dBm in 0.5 dB steps<br>N-type female<br>< 1.6 : 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                            | -20 °C ~ + 70 °C          | 100(D)                                | 1                | Storage                                                           |  |  |
| TRACKING GENERATOR (OPTIONAL)         Frequency Range<br>Output Power<br>Connector Type       100 kHz - 3 GHz<br>50 dBm o 0 dBm in 0.5 dB steps<br>N-type female<br>< 1.6 : 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | imensions & Weight                         |                           |                                       |                  | Inc. all options (Basic + IG + GPIB + Battery)                    |  |  |
| Frequency Range       100 kHz – 3 GHz         Output Power       50 dBm – 0 dBm in 0.5 dB steps         N-type Female       1.6:1         < 1.6:1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | TRACKING GENERATOR (OPTIO                  | 1                         | · · · · · · · · · · · · · · · · · · · |                  |                                                                   |  |  |
| Connector Type<br>Output VSWR       1.5:1       500, Nominal<br>300 kHz ~ 3 GHz, source attenuation ≥ 12 dB         Note : The specifications apply when the GSP-9300B is powered on for at least 30 minutes<br>to warm-up to a temperature of 20°C to 30°C, unless specified otherwise.       Specifications subject to change without notice. GSP-9300BC         ORDERING INFORMATION<br>GSP-9300B 3 GHz Spectrum Analyzer       Opt.03 GPIB Interface         EMC Pretest Solution :       GKT-008<br>GPL-5010       EMI Near Field Probe Set<br>Line Impedance Stabilization Network<br>isolation transformer<br>GPL-5010       Opt.01 Tracking Generator<br>Opt.02 Battery Pack       Opt.03 GPIB Interface         Power Cord, Certificate of Calibration, CD-ROM (with Quick Start Guide, User Manual,<br>Programming Manual, SpectrumShot Software, SpectrumShot Guide & IVI Driver)       SpectrumShot PC Software for Windows System (available on GW Instek website<br>IV Driver Supports LabVIEW/LabWindows/CVI Programming (available on NI w         babel Headquarters<br>ODD WILL INSTRUMENT (SUZHOU) CO., LTD.<br>Hasseiz 22660.389 F +886-2:2268-0639<br>DOD WILL INSTRUMENT (SUZHOU) CO., LTD.<br>Hassis Subsidiary<br>DOD WILL INSTRUMENT (M) SDN. BHD.<br>He004-6111122 F +604-6115225       U.S.A. Subsidiary<br>DI +81-45-620-2305 F +81-45-534-7181       Simply Reliable         POD WILL INSTRUMENT (M) SDN. BHD.<br>He004-6111122 F +604-6115225       Korea Subsidiary       T +81-45-534-7181       Simply Connection         Prime Subsidiary       Connection Subsidiary       Connection Subsidiary       Connection Subsidiary       Simply Reliable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Frequency Range                            | 100 kHz ~ 3 GHz           |                                       |                  |                                                                   |  |  |
| Output VSWR       < 1.6 : 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Connector Type                             |                           | iri U.5 dB steps                      |                  |                                                                   |  |  |
| to warm-up to a temperature of 20 °C to 30 °C, unless specified otherwise.         ORDERING INFORMATION         GSP-9300B 3 GHz Spectrum Analyzer         EMC Pretest Solution : GKT-008       EMI Near Field Probe Set         GLN-5040A       Line Impedance Stabilization Network         GT-5060       Isolation transformer         CPL5010       Transient Limiter         ACCESSORIES :       Power Cord, Certificate of Calibration, CD-ROM (with Quick Start Guide, User Manual,         Programming Manual, SpectrumShot Software, SpectrumShot Guide & IVI Driver)       SpectrumShot PC Software for Windows System (available on GW Instek website         VID DOW WILL INSTRUMENT CO., LTD.       U.S.A. Subsidiary         Baysia Subsidiary       U.S.A. Subsidiary         DOD WILL INSTRUMENT (SUZHOU) CO., LTD.       Japan Subsidiary         FEXION TECHNOLOCY CORPORATION.       T +13-45-620-2305 F +81-45-534-7181         FEXION TECHNOLOCY CORPORATION.       T +81-45-620-2005 F +81-45-534-7181         FEXION TECHNOLOCY CORPORATION.       T +81-45-620-2005 F +81-45-534-7181                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                            |                           |                                       |                  |                                                                   |  |  |
| ORDERING INFORMATION         GSP-9300B 3 GHz Spectrum Analyzer         EMC Pretest Solution :       GKT-008       EMI Near Field Probe Set         GLN-5040A       Line Impedance Stabilization Network         GIT-5060       Isolation transformer         GPL-5010       Transient Limiter         ACCESSORIES :       Power Cord, Certificate of Calibration, CD-ROM (with Quick Start Guide, User Manual,         Programming Manual, SpectrumShot Software, SpectrumShot Guide & IVI Driver)       SpectrumShot PC Software for Windows System (available on GW Instek website         vobal Headquarters       U.S.A. Subsidiary       SpectrumShot PC Software for Windows /CVI Programming (available on NI w         vobal Headquarters       U.S.A. Subsidiary       SpectrumShot Software Software, SpectrumShot Guide & IVI Driver)         vobal Headquarters       U.S.A. Subsidiary       T+1909-399-3535 F +1-909-399-0819       GCUCCES         vina Subsidiary       Japan Subsidiary       Simply Reliable         TEXIO TECHNOLOGY CORPORATION.       T+81-45-620-2305 F +81-45-534-7181       Simply Reliable         v604-6111122 F +604-6115225       Korea Subsidiary       Soco D WILL UNDENT KOR MICH INSTRUMENT (M) SDN. BHD.       Korea Subsidiary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                            |                           |                                       | s Specifica      | ations subject to change without notice. GSP-9300BGD1D            |  |  |
| GSP-9300B 3 GHz Spectrum Analyzer       Opt.03 GPIB Interface         EMC Pretest Solution :       CKT-008 EMI Near Field Probe Set<br>CLN-5040A Line Impedance Stabilization Network<br>GIT-5060 Isolation transformer<br>GPL-5010 Transient Limiter       Opt.01 Tracking Generator<br>Opt.02 Battery Pack       Opt.03 GPIB Interface         ACCESSORIES :       Forgramming Manual, SpectrumShot Software, SpectrumShot Guide & IVI Driver)       Guide & IVI Driver)       SpectrumShot PC Software for Windows System (available on GW Instek website<br>IVI Driver Supports LabVIEW/LabWindows/CVI Programming (available on NI w         obal Headquarters<br>OOD WILL INSTRUMENT (SUZHOU) CO., LTD.<br>+886-512-6661-7277<br>alaysia Subsidiary<br>OOD WILL INSTRUMENT (M) SDN. BHD.<br>+604-6111122 F+604-6115225       U.S.A. Subsidiary<br>INTERIA MERICA CORP.<br>T+11-909-399-3535 F+1909-399-0819       GUIDENTICE<br>Simply Reliable         Feedoury IL INSTRUMENT (M) SDN. BHD.<br>+604-6111122 F+604-6115225       Korea Subsidiary       Simply Reliable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                            |                           | peened otherwise.                     | OPTIONS          |                                                                   |  |  |
| GS1:95000       S G112 Spectrum Anayzer         EMC Pretest Solution :       CKT-008       EMI Near Field Probe Set         CLN:5040A       Line Impedance Stabilization Network         GIT:5060       Isolation transformer         GPL:5010       Transient Limiter         ACCESSORIES :       Power Cord, Certificate of Calibration, CD-ROM (with Quick Start Guide, User Manual,         Programming Manual, SpectrumShot Software, SpectrumShot Guide & IVI Driver)       SpectrumShot PC Software for Windows System (available on GW Instek website         VID Driver Supports LabVIEW/LabWindows/CVI Programming (available on NI w       U.S.A. Subsidiary         NOOD WILL INSTRUMENT CO., LTD.       INSTEK AMERICA CORP.         +886-512-6661-7277       T+1-909-399-3535 F +1-909-399-0819         alaysia Subsidiary       Japan Subsidiary         OOD WILL INSTRUMENT (SUZHOU) CO., LTD.       Japan Subsidiary         FEXIO TECHNOLOGY CORPORATION.       T+81-45-620-2305 F +81-45-534-7181         GOD WILL INSTRUMENT (M) SDN. BHD.       Korea Subsidiary         F604-6111122 F +604-6115225       Korea Subsidiary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                            |                           |                                       |                  | ng Generator Opt.03 GPIB Interface                                |  |  |
| GLN-5040A<br>GIT-5060<br>GPL-5010       Line Impedance Stabilization Network<br>Isolation transformer<br>GPL-5010       GSC-009       Soft Carrying Case<br>GSC-009       GSC-009       Soft Carrying Case<br>GRA-415         ACCESSORIES :<br>Power Cord, Certificate of Calibration, CD-ROM (with Quick Start Guide, User Manual,<br>Programming Manual, SpectrumShot Software, SpectrumShot Guide & IVI Driver)       FEE DOWNLOAD       SpectrumShot PC Software for Windows System (available on GW Instek website<br>IVI Driver Supports LabVIEW/LabWindows/CVI Programming (available on NI w         obal Headquarters       U.S.A. Subsidiary       INSTEK AMERICA CORP.<br>INSTEK AMERICA CORP.       Simply Reliable         Se5:12-6661-7177       F +886-2-2268-0639       T +1-909-399-3535 F +1-909-399-0819       Simply Reliable         Se5:12-6661-7177       Japan Subsidiary       Japan Subsidiary       Simply Reliable         F6:61-7177       F +86-512-6661-7277       TEXIO TECHNOLOGY CORPORATION.       Simply Reliable         se6:512-661-7177       TeXIO TECHNOLOGY CORPORATION.       F +81-45-534-7181       Simply Colored With With Content of the formation of the fo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                            |                           | robe Set                              | Opt.02 Battery   | / Pack                                                            |  |  |
| GIT-5060<br>GPL-5010       Isolation transformer<br>Transient Limiter         ACCESSORIES :<br>Power Cord, Certificate of Calibration, CD-ROM (with Quick Start Guide, User Manual,<br>Programming Manual, SpectrumShot Software, SpectrumShot Guide & IVI Driver)       GSC-009 Soft Carrying Case<br>GRA-415 Rack Adapter Panel         Oobal Headquarters<br>OOD WILL INSTRUMENT CO., LTD.<br>+886-2-2268-0389 F +886-2-2268-0639       U.S.A. Subsidiary<br>INSTEK AMERICA CORP.<br>T +1-909-399-3535 F +1-909-399-0819       GEUINSTE<br>Simply Reliable         Vode-611122 F +604-6115225       Korea Subsidiary       Simply Meliable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                            |                           |                                       |                  |                                                                   |  |  |
| ACCESSORIES :       Power Cord, Certificate of Calibration, CD-ROM (with Quick Start Guide, User Manual, Programming Manual, SpectrumShot Software, SpectrumShot Guide & IVI Driver)       FREE DOWNLOAD         SpectrumShot Software, SpectrumShot Guide & IVI Driver)       SpectrumShot PC Software for Windows System (available on GW Instek website IVI Driver)         Sobal Headquarters       U.S.A. Subsidiary         OOD WILL INSTRUMENT CO., LTD.       INSTEK AMERICA CORP.         8:86:2-2268:0389       T +1:909-399-3535         POD WILL INSTRUMENT (SUZHOU) CO., LTD.       Japan Subsidiary         Schefol:7177       F +86-512-6661-7277         Balaysia Subsidiary       T +81-45-620-2305         OOD WILL INSTRUMENT (M) SDN. BHD.       Korea Subsidiary         Feedou-6111122       F +604-6115225                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                            |                           |                                       |                  |                                                                   |  |  |
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| Programming Manual, SpectrumShot Software, ŠpectrumShot Guide & IVI Driver)       IVI Driver Supports LabVIEW/LabWindows/CVI Programming (available on NI w         obal Headquarters       U.S.A. Subsidiary       INSTEK AMERICA CORP.         rstbsidiary       INSTEK AMERICA CORP.       Simply Reliable         obd WILL INSTRUMENT (SUZHOU) CO., LTD.       Japan Subsidiary       Simply Reliable         Proceeding of the state of th                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Power Cord, Certificate of Calibration, CD |                           |                                       | SpectrumShot     | PC Software for Windows System (available on GW Instek website)   |  |  |
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