

CPS2000 Connected Power Sensors

CPS2000 True Average Connected Power Sensors provide USB, LAN with PoE capabilities to enable easy RF power measurement of modulated and CW signals from 50 MHz to 8 GHz. Compatible with Windows and Linux systems, CPS2000 sensors include all the necessary drivers for programming through SCPI, IVI and LabVIEW. Connectivity and compatibility, combined with 60 dB dynamic range and >100 measurements per second, CPS2000 sensors are the ideal solution for lab, field, production test, ATE remote monitoring and embedded environments.



Features

- 50 MHz to 8 GHz frequency range
- -40 dBm to +20 dBm dynamic range
- True average power measurements for CW and Modulated signals
- USB, LAN with PoE connectivity
- SCPI, IVI and LabVIEW programming
- Windows and Linux compatibility
- >100 measurements per second
- Synchronized multi-channel measurement
- Streamlined user interface for fast, accurate measurements

CPS2000 Power Measurement Software

CPS2000 User Interface – Power measurements are displayed in a numerical readout as well as analog-style meter, a data logging strip chart function allows for easy tracking of variations in the measurements. Multiple sensors can be used simultaneously.



Standard connections on the CPS2008 are a Type N for RF input, as well as USB Type B with C-latch capability and RJ-45 Ethernet with Power over Ethernet capability for communications and control.



CPS2008 Specifications

RF Frequency Range	50 MHz to 8 GHz
Average Dynamic Range	-40 dBm to +20 dBm (50 MHz to 6 GHz) -35 dBm to +20 dBm (6 GHz to 8 GHz)
RF Input	Type N, 50Ω
VSWR	1.3:1
Trigger Mode	Single, Free run
Measuring Speed	>100 Meas/s
Aperture Time	1 ms to 2 sec
Remote Connectivity	USB 2.0: type B connector with C-latch capability Ethernet 100BaseT: RJ-45, Power over Ethernet (PoE) capable
Size (LxWxH)	132x43x33 (mm) 5.2x1.7x1.3 (inches)
Operating Temperature	0°C - 50°C
Weight	420 grams/0.9 lbs
Power Consumption	2.0 W max
Storage Temperature	-40°C - 70°C

This instrument is designed for indoor use only



绿测科技有限公司

广州总部：广州市番禺区陈边村金欧大道83号江潮创意园A栋208室
 深圳分公司：深圳市龙华区龙华街道 油松社区东环一路1号耀丰通工业园1-2栋2栋607
 南宁分公司：广西自由贸易试验区南宁片区五象大道401号五象航洋城1号楼3519号
 广州分公司：广州市南沙区凤凰大道89号中国铁建·凤凰广场B栋1201房
 电话：020-2204 2442
 传真：020-8067 2851
 邮箱：Sales@greentest.com.cn
 官网：www.greentest.com.cn



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