Maury Microwave

Datasheet

Boonton
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.

CPS2000 CONNECTED POWER SENSORS
Specifications

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.

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 CONNECTED POWER SENSORS
Specifications

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	
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

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