

CPS2000 True-Average Connected Power Sensors

CPS2000 True-Average Connected Power Sensors combine USB and PoE LAN connectivity to enable easy, true-average RF power measurement of CW and modulated 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. Flexible connectivity, combined with a 60 dB dynamic range and >100 measurements per second, make CPS2000 sensors the ideal solution for measurements in the lab, production, and the field in ATE, remote monitoring and embedded environments.

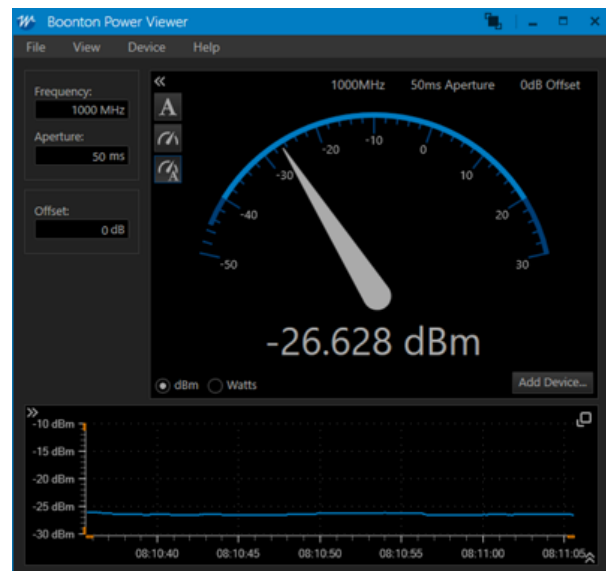


Features

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

Boonton Power Viewer Software

Boonton Power Viewer provides a simple, virtual power meter on Windows® systems. 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 measurements over time. Multiple sensors can be used and monitored virtually simultaneously.



Standard connections on the CPS2008 are a Type N for RF input, as well as USB Type B with locking, SeaLATCH cable compatibility 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, 50 Ω
VSWR	1.15:1 (50 MHz to 2 GHz) 1.25:1 (>2 GHz to 6 GHz) 1.35:1 (>6 GHz to 8 GHz)
Trigger Mode	Single, Free run
Measuring Speed	>100 Meas/s
Aperture Time	1 ms to 2 sec
Remote Connectivity	USB Type B with SeaLATCH capability 10/100 BaseT with Power-over Ethernet (PoE) Capability
Size (LxWxH)	132x43x33 (mm) 5.2x1.7x1.3 (inches)
Operating Temperature	0 °C - 50 °C
Storage Temperature	-40 °C to 70 °C
Weight	420 grams/0.9 lbs
Power Consumption	2.0 W max

Ordering Information

CPS2008	CPS2008 True-Average Connected Power Sensor Includes USB 2.0 Type A Male to Type B Male cable and URL for manuals and software
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Optional Accessories

48402500A	PoE Injector, IEEE-802.3af
57401300A	7 ft Ethernet cable
48402600A	USB AC adapter
57401000A	6 ft SeaLATCH locking USB cable

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