

# 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



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## 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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Note: Specifications, terms and conditions are subject to change without prior notice.



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