

MILLIWATTMETER for CROSS BIDIRECTIONAL COUPLER

In conjunction with a power data analysis software this option turns your laptop or desktop PC into an RF/Microwave Power Meter for measuring power of continuous wave (CW) signals from 1 MHz to 6 GHz.

It offers a low cost replacement solution for conventional RF/Microwave power meters with the benefits of data storage, portability, post processing and Internet connectivity.

In addition, unlike conventional bench top instruments, no external power supply is needed and it does not require any reference signal calibration. As a result, it offers lighter weight, and makes field operation and installation easy and simple.



Features

- Operating frequency range of 1 MHz to 6 GHz
- 50 dB dynamic range, -30 dBm to +20 dBm
- Good VSWR, 1.1:1 (typical)
- Accuracy: ± 0.15 dBm (typical)
- Linearity at 25 C is ± 0.1 dBm (typical)
- Measurement speed is 200 ms
- No calibration after powering on (plug-in and measure)
- No external power supply is needed
- 16 simultaneous testing channels
- Temperature compensated
- Fully loaded power data analysis software
- Averaging of measurements
- Scheduled data recording
- Multi-sensor support
- Interface with test software

Table 1: system requirements

System	Requirements
Interface	USB 1.1/USB 2.0
Host Operating System	Windows 98, Windows XP, Windows Vista, Windows 2000
Hardware	Pentium III or higher, RAM 512 Mb, USB port

Table 2: absolute maximum ratings

Parameter	Ratings
Operating temperature	0°C to 50°C
Storage temperature	-30°C to 70°C
Current (via host USB)	40 mA (+5 V)
DC voltage at RF port	15 V
CW power	+27 dBm