



USB WATTMETER

MODEL 81041

The model 81041 is a portable, self-contained RF Wattmeter that features a studio-quality analog meter and USB interface. Numeric, analog meter, and bar graph data are simultaneously displayed on a PC's monitor. The functions indicated are Forward and Reflected Power, both in Watts and dBm, plus an automatic calculation of SWR and Return Loss.

The internal dual socket line section and forward / reflected switch gives the user the ability to display either forward or reflected on the analog meter, while both are displayed simultaneously on the PC.

Our use of a rugged shock mounted meter with a mirror-backed scale along with superior taut band technology, provides reliable and accurate readings of either forward or reflected power on the meter.

The 81041 uses standard elements to detect average RF power from 100 mW to 10 kW and from 2 MHz to 2.3 GHz. Software and a detachable six foot USB cable are included for a simple installation on any PC using Windows ® Vista, 2000, XP or NT. No additional cables, AC or DC power adapters, batteries or custom remote sensors are required.

Type N female connectors are standard with over 20 interchangeable QM connectors available such as 7/16, SMA, UHF, BNC and TNC types in male and female genders.



- Forward and Reflected Power in Watts and dBm
- Automatically Calculates SWR and Return Loss
- Internal Dual 7/8" Line Section
- Quick Match Connectors
- Uses Standard Plug-In Elements
- Two Year Limited Warranty

Specifications

Power Range:	100 mW to 10 kW
Frequency Range:	2 MHz to 2.3 GHz
VSWR:	1.05:1 Max (With Type N connectors)
Accuracy:	+/- 5% of full scale
Impedance:	50 Ohms Nominal
Connectors:	Type N Female standard Others are available
Power Requirements:	Less than 100 mA via USB port
Case Finish:	Textured Nitro-Blue Paint
Nominal Size:	7-1/4" H x 5" W x 4" D (18.4cm x 12.7cm x 10.2cm)
Weight:	4.2 lbs (1.9 kg)