

TPM-50A Terminal RF Digital Power Meter

TPM-50A has been designed for field engineers and technicians to perform power measurement in wireless network of various standards.

TPM-50A features high dynamic range, high accuracy and high stability, it works with PC monitoring software and optional handheld monitor to perform monitoring on entire antenna system and saves test data for analysis and evaluation.

The typical application is to monitor the transmitter and antenna of wireless base station during network installation and maintenance, TPM-50A can fast measure power of transmitter and entire system's VSWR.

TPM-50A is the ideal tool for base station and antenna system measurement and troubleshooting.



Function

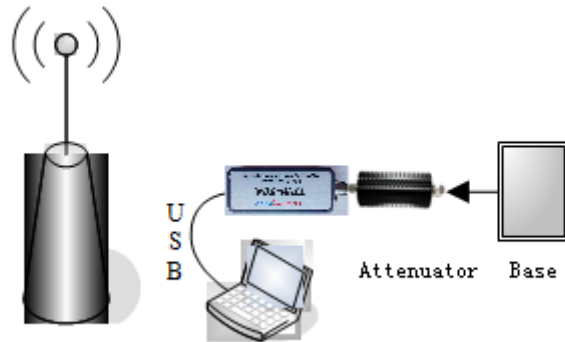
- ◆ Measures 2G/3G /4G/ WiMAX wireless network, including GSM900/1800, CDMA800/1900, TD-SCDMA, WCDMA, CDMA2000, WLAN 2.4G & WiMAX or user-defined band
- ◆ High-accuracy forward power, VSWR, Return Loss & load power measurement
- ◆ Peak power and Peak/Average Ratio measurement
- ◆ Burst power measurement
- ◆ CW power measurement
- ◆ Monitor function & test data saving
- ◆ PC monitoring software and handheld monitor for result display
- ◆ Standard N(Female) connector supports various transmission cable & antenna
- ◆ USB interface

Features

- ◆ Handheld & portable
- ◆ Measuring the burst signal, can accurately identify the width 1 us - 60 ms compared (about 50%) of the signal, and give detailed measurements
- ◆ USB for real-time monitoring & data transfer
- ◆ Straightforward test result display

Measurement[Auto Measurement]	
Fwd	2010-09-19 12:34
-28.470	Reflected Power:
Reflect	-27.740
Load	-35.844
Usur	23.811
RtnLoss	-0.7300
Coe	0.9194
Current Frq(MHz):	CDMA 800: (870~885MHz)
Unit:dBm	Temp: 25.0°C
Measure	Frq Sel Unit Sw Options

- ◆ CE, FCC certificates



Specifications

Model	TPM-50A
Frequency Range	50-4000MHz
Power Range	-40-20dBm
MAX Power	<23dBm
Accuracy	$\leq \pm 0.3\text{db}$ (15~35°C) $\leq \pm 0.5\text{dB}$ (0~50°C)
VSWR	<1.2
Burst Width	1us~60ms
Min. Measurement Frequency	15Hz
video bandwidth	5MHz
Minimum Pulse Width	200ns
Time Resolution	0.1us,1us,15us,150us
Peak Average Ratio	<12dB
CCDF Range	0.1% ~ 100%
CCDF Accuracy	$\pm 3\%$
Burst Signal Duty Ratio	0.1% ~ 100%
General Specifications	
Power Supply	USB
Operating Temperature	0°C ~ 50°C
Storage Temperature	-20°C ~ 70°C
Relative Humidity	0 to 85% (Non-condensing)
Weight	0.3kg
Dimensions (HxWxT)	105 (125) *45*35 mm

* Specifications subject to change without notice

Ordering Information

Standard Package:

TPM sensor, USB cable, Software CD, Soft carry bag, Warranty card, CE certificate, Certificate of calibration, User's manual.