

# TPM-50A Terminal RF Digital Power Meter

## Product Overview

SPM-50A Spectrum Power Meter brings innovative testing concepts and approaches for RF cable system installation and maintenance. It combines the key functions of a spectrum analyser and power meter. SPM-50 is designed to measure the power characteristics of a particular signal among mixed signals transmitted on cable while quickly and accurately presenting the result in a power histogram or spectrum chart. SPM-50A supports normal, burst and frequency segment sweep modes to acquire information on forward power, reflected power, return loss, VSWR, peak power, crest, CCDF, duct cycle, etc.

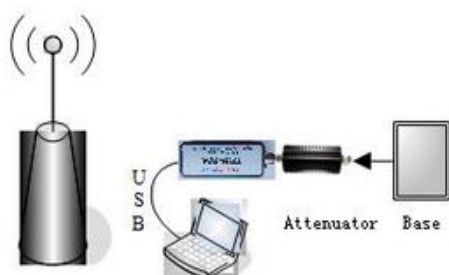


## Functions

- Measures 2G/3G /4G/WiMAX wireless network, including GSM900/1800, CDMA800/1900, TD-SCDMA, WCDMA, CDMA2000, WLAN2.4G & 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
- CE, FCC certificates



Measurement [Auto Measurement]	
Fwd	-28.470
Reflect	-27.740
Load	-35.844
Vswr	23.811
RtnLoss	-0.7300
Coe	0.9194
Current Frq (MHz):	CDMA 800: (870~885MHz)
Unit: dBm	Temp: 25.0°C
Reflected Power:	<b>-27.740</b>
Measure	Frq Sel
Unit Su	Options



## Specifications

Model	TPM-50A
Frequency Range	50-4000MHz
Power Range	-40-20dBm
MAX Power	<23dBm
VSWR	<1.2
Accuracy	<= +/-0.3db (15~35°C) <= +/-0.5dB( 0~50°C)
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
CCDFRange	0.1% ~ 100%
CCDFAccuracy	±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	0to85% (Non-condensing)
Weight	0.3kg
Dimensions (H.W.T)	105 (125) *45*35mm

\*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, and User manual.

