

DPM-50 RF In Line Digital Power Meter

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

DPM-50 features high dynamic range, high accuracy and high stability, it works with handheld main frame and PC monitoring software to perform real-time in-line 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, DPM-50 can fast measure forward power of transmitter, reflected power of antenna and entire system's VSWR.

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

Function

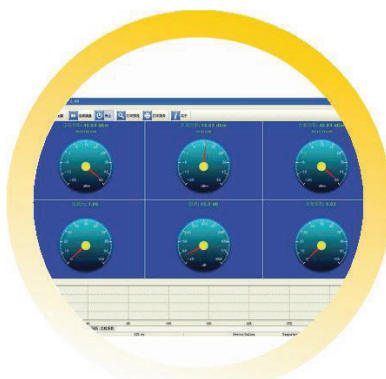
- ◆ Measures 2G/3G wireless network, including GSM900/1800, CDMA800/1900, TD-SCDMA, WCDMA, CDMA2000, WLAN 2.4G & WiMAX or user-defined band
- ◆ High-accuracy forward/reflected power, VSWR, Return Loss & load power measurement
- ◆ Monitor function & test data saving
- ◆ PC monitoring software and main frame for result display
- ◆ Standard N(F) connector supports various transmission cable & antenna
- ◆ USB & DB9 interface
- ◆ Reverse connection protection



DPM-50

Features

- ◆ Handheld & portable
- ◆ DPM backlight display
- ◆ USB for real-time monitoring & data transfer
- ◆ 320×240 TFT Color LCD
- ◆ Straightforward test result display
- ◆ CE, FCC certificates



RF Power Meter Software



DPM-50-M



Reflected Power Measurement



Specifications

Model	DPM-50A	DPM-50B
Frequency Range	300-4200MHz	700-3600MHz
Power Range	100mW-200W	20mW-200W
Dynamic Range (dB)	≥30	≥40
Insertion Loss (dB)	≤0.1	
VSWR	1.05-50.0	
Directivity	≥30 (<3GHz); ≥28 (>3GHz)	
Accuracy	±4%+0.05W (0°C~+15°C or +35°C~+50°C increase 3%)	
Impedance	50Ω	
Connector	N (F)	
Data Interface	USB	
DPM Interface	DB9	
General Specifications		
Power Supply (DPM)	NiMH Battery/ AC Adaptor	
Operating Temperature	-10°C ~ 50°C	
Storage Temperature	-20°C ~ 70°C	
Relative Humidity	0~85% (Non-condensing)	
Weight	480g (Sensor)/ 900g (DPM)	
Dimensions (H×W×T)	130×(95)×124×34mm (Sensor); 220×110×70mm (DPM)	

* Specifications subject to change without notice

Ordering Information

Standard Package:

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

Optional Parts

DPM main frame, DB9 cable

