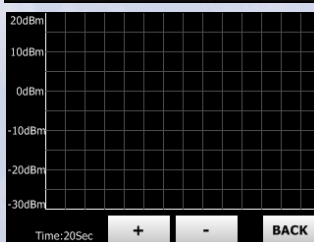
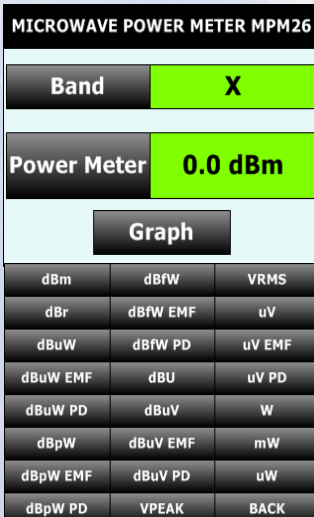
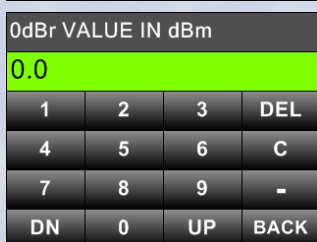
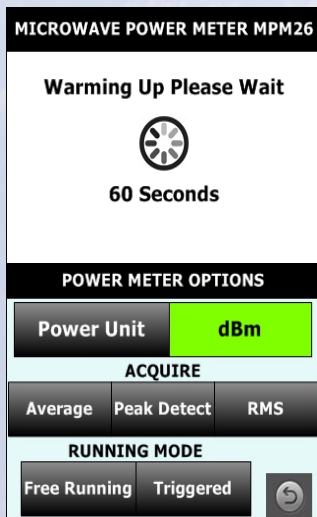
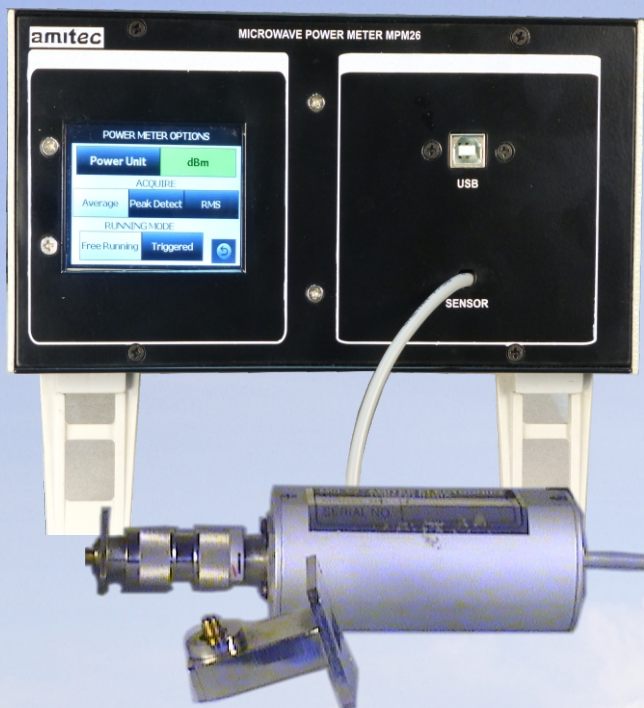


## Features:

- \* 10 MHz to 26.5GHz measurement range with USB.
- \* Digital Display on 320X240 Pixels Touchscreen TFT with graph.
- \* Wide range from +20dBm(100mW) to -30dBm(1uW)
- \* 0.1dB resolution
- \* Measurement in dBm & 22 other units
- \* Measure Gunn and Klystron Source outputs without PIN modulator. It can effectively replace the SWR meter for most experiments and allow measurements with unprecedented accuracy.

## Amitec MPM26 Technical Specifications



## POWER METER

Frequency range	: 10MHz to 26.5 GHz
Display	: 320X240 pixel, 3" TFT
Controls	: Touch Screen based
Power range	: -30dBm to +20dBm
Measurement	: dBm & 22 other units
Resolution	: 0.1dB
Sampling	: peak, average, rms
Relative Offset	: +20.0 to -30.0dBm for relative measurement
Level Indicator	: Graph
Recorder output	: For CRO interface
PC interface	: USB port

## POWER SENSOR

RF Connector	: SMA into 50Ohms
Frequency range	: 10MHz to 26.5GHz
Maximum input	: +20dBm
Return Loss	: 20dB upto 12.4GHz
	: 15dB upto 26.5GHz
Compensation	: Temperature compensated thermistor
Cable	: Sensor/meter cable 3m
Adapter	: N-SMA, X-band waveguide to coax adapter

## E-Manual: Installation Video for ease of Learning

### List of Experiments

- 1.To learn different ways of measuring power.
- 2.To evaluate the accuracy of the power measurements.
- 3.To plot the power output of Gunn/Klystron Oscillator with V
- 4.To plot the power output of a Gunn/Klystron Oscillator with frequency.
- 5.Study of square law modulation and square law characteristics of a crystal detector.
- 6.To measure PIN modulator insertion loss & mod. depth.
- 7To measure the accuracy of SWR meter reading.
- 8To calculate the relationship between Q and bandwidth of resonance cavity.
- 9.To measure the insertion loss of the waveguide.
- 10.To measure the insertion loss in the main line of a directional coupler.
- 11.To measure the coupling factor of a directional coupler.
- 12.To measure the isolation & directivity of a directional coupler.
- 13.To measure the return loss of a unknown load.
- 14.To measure the decoupling between H and E arms of magic Tee.
- 15.To measure the insertion loss of the hybrid Tee.
- 16To measure the return loss of H arm in a magic Tee.
- 17.To measure and plot the attenuation characteristics of variable attenuator.
- 18.To measure the attenuation of a fixed attenuator.
- 19To measure the input SWR of attenuator.
- 20.To measure the gain of a pyramidal horn.
- 21.To plot the E and H Plane polar pattern of a antenna and compute the beamwidth.
- 22.To measure the coupling coefficient of a waveguide E & H Plane Tee.
- 23.To measure the isolation of a E & H plane Tee.
- 24.To measure the input VSWR of a E & H plane Tee.
- 25.To study the operation of ferrite circulator and measure its insertion loss.
- 26.To measure isolation of a ferrite circulator.
- 27.To measure the cross coupling of a circulator.
- 28.To study the variation of characteristics of ferrite circulator with frequency.

Disclaimer: Images shown are Indicative only. Color or Model may differ from the picture shown (Features will remain same or More). Specifications are subject to change without notice due to continuous improvement of product.

Mfd by: **Amitec Electronics Ltd.**

Regd. Off: 504, Nilgiri, 9 Barakhamba Road, New Delhi-110001, India,  
Works: 4/32, Site-4, Industrial Estate Sahibabad, NCR-201010, India,  
mail@amitec.co, www.amitec.co  
+91-11-41505510, +91-120-4371276

