



Microwave Power Meter

Nvis 105A



Nvis 105A Microwave Power Meter is an automatic self balancing power meter. It measures the RF power with the help of temperature compensated Thermistor Mount from $1\mu\text{W}$ to 10mW accurately. This provides the high accuracy over a wide temperature range by measuring the output voltage of the thermistor bridge and computing the corresponding power. The cable for connecting the sensor with the power meter is also provided.

Features

- Microcontroller based instrument
- PC Interface facility
- Automatic self balancing Power meter
- No Thermoelectric error for high accuracy over a wide dynamic range
- LCD
- Available with sensor connecting cable
- Measurement of power in micro/milli Watt and in dBm simultaneously
- Compact size

Technical Specifications

Display	: 16 x 2 LCD
PC Interface	: USB
Power Range	: $1\mu\text{W}$ to 10mW -30dBm to +13dBm
Zero Adjustment	: Coarse and Fine adjustable from front panel
Calibration factor	: 90% to 100% in 11 steps
Accuracy	: mW range $\pm 1\%$ μW range $\pm 2.5\%$
Recorder output	: As per the indicated power
Response Time	: 35ms time constant (typical) at recorder output
Mains Supply	: 230V $\pm 10\%$, 50Hz
Dimensions (mm)	: W 295 x D 410 x H 90
Optional	
Power Sensor	
Type	: Temperature Compensated Thermistor mount
Frequency Range	: 8.2GHz - 12.4GHz
Resistance	: 100 Ω

Designed and Manufactured in India by -

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