



# Microwave Power Meter

## Nvis 105



**Nvis 105 Microwave Power Meter** is an automatic self balancing power meter. It measures the RF power with the help of temperature compensated Thermistor Mount from 1µW 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
- Provided with 1mW calibration source
- 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

### Contents & Specifications

Display	: 16 x 2 LCD
PC Interface	: USB
Power Range	: 1microwatt to 10milliwatt -30dBm to +10dBm
Zero Adjustment	: Coarse & Fine adjustable from front panel
Calibration factor	: 90% to 100% in 11 steps
Accuracy	: µW range ±1%, mW range ±2.5%
Recorder output	: As per the indicated power
Calibration output	: 1mW / 50MHz
Response Time	: 35ms time constant (typical) at recorder output
Power Supply	: 230V ±10%, 50Hz
Dimension (mm)	: W 295 x D 410 x H 90

### Power Sensor (Optional)

Type	: Temperature Compensated Thermistor mount
Frequency Range	: 10MHz-18GHz Maximum SWR
10MHz to 30MHz	: 1.75
30MHz to 100MHz	: 1.35
100MHz to 1GHz	: 1.10
1GHz to 12.4GHz	: 1.35
12.4GHz to 18GHz	: 1.6
Resistance	: 200 ohms negative

Designed & Manufactured in India by

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