OMEGA®

A SIGN OF QUALITY PRODUCT

A.F. OUTPUT POWER METER (50 WATT)

OMEGA TYPE OM-136

OMEGA TYPE OM-136 Output Power Meter is an instrument designed to measure directly the power delivered by an AF circuit such as an amplifier to a terminating load of known impedance. This instrument incorporates a fully solid state circuitry operated on 4 pen lite batteries, draws not more than 1mA current ensuring long life of batteries. Functionally, the system is selectable power, resistors in series with a specially designed audio frequency transformer terminated by the meter circuitry. The power can be directly read in 'Watts' or 'dBs' as the meter scales are calibrated in 'Watts' as well as in 'dBs' This low cost equipment is rigid enough to be used as a general purpose test equipment by hobbyists, laboratories & manufacturers.

FEATURES

01 Battery check facility.
02 Highly sensitive and easy to operate.
03 Supplied in elegant metal cabinet.

SPECIFICATIONS

01 POWER RANGES :
5mW, 50mW, 0.5W, 5W, 10W and 50W full scale. (50W full scale range is only for 4, 8 and 15 ohms impedance).

02 dB SCALE :
For 10W range -10dB to +10dB. For all other ranges -13dB to +7dB.

03 IMPEDANCE RANGES :
Fifteen switch selected impedances viz. 4, 8, 15, 25, 50,75, 100, 150, 400, 600, 800, 1K, 2K, 5K, and 10K Ohms.

04 IMPEDANCE ACCURACY :
±3% at 1KHz, ±5% from 20Hz to 20KHz.

05 POWER ACCURACY :
For I/P ½ FSD: 6% of reading when measured at 1KHz at normal ambient temp. (15°C to 45 °C).
For I/P 1/10 of FSD to ½ FSD: 6% of reading ± 3% of FSD when measured at 1KHz at normal ambient temp.(15°C to 45 °C).

06 FREQUENCY CHARACTERISTICS :
Referred to 1KHz. 20 Hz to 20KHz ± 1dB.

07 INPUT SUPPLY :
± 3V (1.5V x 4 pencil cells).

08 METER SIZE :
115 mm X 55mm (4½"X 2¼")

09 Weight : 4.600 Kg. (Approx)

10 Dimension : W290 x H160 x D230

11 Strongly supported by detailed Operating Instructions.

We are committed to the continuous development of our products, and therefore reserve the right to amend specifications without prior notice.

OMEGA ELECTRONICS

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