

Output Power Meter



Features

- ★ Power Measurement upto 150 Watts
- ★ Frequency Range 20Hz to 20KHz
- ★ Power Indication in Watts and dB
- ★ Choice of Twelve Standard Load impedances
- ★ Thermal Shut Down for Overheat Protection

Application

APLAB Output Power Meter Model 2018 measures directly the power delivered by an AF circuit such as an amplifier to a terminating load of known impedance. It can be used to measure power upto 150W in 4, 8 & 16 ohms & upto 15W from 50 ohms to 10K ohms.

An auto trip facility is provided on 150W range. When temperature of terminating loads 4, 8 or 16 ohms exceeds 75°C the input signal is disconnected. This is indicated by LED on the front panel. This facility is useful when readings on 150W range are taken for a longer time.

Description

The Output Power Meter Model 2018 measures the power delivered to a load by a circuit such as a power amplifier. It provides a choice of twelve standard terminating loads. The output power is measured in both watts and decibels. The frequency range of operation is 20Hz to 20KHz. Output power upto 150Watts can be measured with load impedance of 4, 8 and 16 ohms. A thermal shutdown is provided to protect the meter as well as the power source in case of overheat.

Specifications

| | |
|--------------------------------|---|
| Output Power Meter | : 5mW, 50mW, 0.5W, 5W, 15W, 50W and 150W full scale (50W and 150W full scale ranges are only for 4, 8 and 16 ohms impedances). |
| Type of Measurement | : Unbalanced. |
| dB Scale | : -13dB to +7dB on all ranges. |
| Impedance Ranges (Load) | : Twelve switch selected impedances viz. 4, 8, 16, 50, 75, 125, 150, 600, 1K, 2K, 5K & 10K in ohms. |
| Impedance Accuracy | : $\pm 3\%$ at 1KHz. $\pm 5\%$ from 20Hz to 20KHz. |
| Power Accuracy | : For I/P 1/2 FSD to FSD : 6% of reading when measured at 1KHz at normal ambient temperature (15°C to 35°C). For I/P 1/10 of FSD to 1/2 FSD : 6% of reading +3% of FSD when measured at 1KHz at normal ambient temperature (15°C to 35°C). |

| | |
|----------------------------------|--|
| Frequency Characteristics | : Referred to 1KHz, 20Hz to 20KHz, ± 1 dB. |
| Power | : 6V DC (from 4 x 1.5V pencil cell) or Mains 230V AC, 50Hz (Optional). |
| Operating Temperature | : 0 - 40°C. |
| Dimensions | : 235 (W) x 150 (H) x 245 (D) mm approx. |
| Weight | : 3.5 Kg. approx. |
| Standard Accessories | : Instruction Manual - 1 No. SP1 to Alligator Clip - 1 Pair |

WE PURSUE A POLICY OF CONTINUOUS DEVELOPMENT AND PRODUCT IMPROVEMENT. THUS THE SPECIFICATIONS IN THIS DOCUMENT AND THE LOCATION OF CONTROLS ON THE FRONT PANEL MAY BE CHANGED WITHOUT NOTICE.

Aplab Test & Measurement Instruments

APLAB LIMITED

Plot No. 12, TTC Industrial Area, Thane Belapur Road, Digha, Navi Mumbai - 400 708. India.

EMAIL : tmisales@aplab.com WEBSITE : www.aplab.com