



Features

1. **Function & Range switch :**
This switch is used to select the function and desired range as well as to switch ON the instrument. To extend the life of this battery, ensure that the switch is in "OFF" position when the instrument is not in use.
2. **Display :**
3 ½ digit , 7 segment , 1" high LCD.
3. **"COMMON" Jack :**
Plug in the connector for black (negative) test lead.
4. **"V Ω mA" Jack :**
Plug in connector for red (Positive) test lead for all voltage and resistance and current (except 10A) measurements.
5. **"10A Jack :**
Plug in the connector to red (positive) test lead for 10A measurement.
6. **Diode Measurement**
7. **Transistor hfe Measurement**

Technical Specifications

Accuracies guaranteed for 1 year, 23°C ±5, less than 80% RH.

DC VOLTAGE

Range	Resolution	Accuracy
200mV	100µV	±0.5% of rdg ±2D
2000mV	1mV	±0.5% of rdg ±3D
20V	10mV	±0.5% of rdg ±3D
200V	100mV	±0.5% of rdg ±3D
1000V	1V	±0.8% of rdg ±3D

Overload Protection : 220Vrms AC for 200mV range and 1000V DC or 750Vrms for all ranges.

AC VOLTAGE

Range	Resolution	Accuracy
200V	100mV	±1.2% of rdg ±10D
750V	1V	

Response : Average responding, calibrated in rms of a sine wave.

Frequency Range : 45Hz ~ 450Hz.

Overload Protection : 1000VDC or 750rms for all ranges.

DC CURRENT

Range	Resolution	Accuracy
200 μ A	100nA	$\pm 1\%$ of rdg $\pm 3D$
2000 μ A	1 μ A	$\pm 1\%$ of rdg $\pm 3D$
20mA	10 μ A	$\pm 1\%$ of rdg $\pm 3D$
200mA	100 μ A	$\pm 1.5\%$ of rdg $\pm 5D$
10A	10mA	$\pm 2\%$ of rdg $\pm 10D$

Overload Protection : 200mA, 250V fuse (10A range unfused).

Measuring Voltage Drop : 200mV.

RESISTANCE

Range	Resolution	Accuracy
200 Ω	100 m Ω	$\pm 1\%$ of rdg $\pm 10D$
2000 Ω	1 Ω	$\pm 1\%$ of rdg $\pm 2D$
20 K Ω	10 Ω	$\pm 1\%$ of rdg $\pm 2D$
200 K Ω	100 Ω	$\pm 1\%$ of rdg $\pm 2D$
2000 K Ω	1 K Ω	$\pm 1\%$ of rdg $\pm 2D$

Maximum Open Circuit Voltage : 3.0V.

Overload Protection : 15 seconds maximum 220Vrms.

ACCESSORIES

- Operator's Instruction Manual
- Set of Test Leads

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

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