DIGITAL MICRO OHM METER

1 AMP DIGITAL MICRO OHM METER

Model - KM -8500-1

NEW



✶ **Display :** 4½ Digit Digital LED display

✶ APPLICATION :

- Communication Cable
- Instrumentation Cable
- Contactors
- PC Boards
- Distribution transformers
- Bus Bars
- Relays
- Component Manufacturer
- Test Laboratories
- College Laboratories
- Transformer , Motors, Coil Manufacturer
- Current Transformer Manufacturer

✶ FEATURES :

- True Four Terminal Measuring technique eliminates lead resistance natural errors in 2 wire measurments
- Regulated and Highly stable 1 Amp Current Source
- Resolution 0.1 Micro Ohm in 2 milli Ohm range
- Stable and fast measurement
- Download via Rs232/ USB port with Software (optional)
- Protection against back EMF for high inductive loads.

✶ ELECTRICAL SPECIFICATIONS :

Range	Max. Reading	Current	Resolution	Accuracy
2 mΩ	1.9999 mΩ	2 A	0.1 µΩ	±0.5% of rdg ± 5 Digits
20 mΩ	19.999 mΩ	2 A	1 µΩ	
200 mΩ	199.99 mΩ	100 mA	10 µΩ	
2000 mΩ	1.9999 Ω	100 mA	100 µΩ	
20 Ω	19.999 Ω	10 mA	1 mΩ	
200 Ω	199.99 Ω	1 mA	10 mΩ	
2000 Ω	1999.9 Ω	0.1 mA	100 mΩ	

✶ **Power supply :** 230V AC ±10% 50Hz

✶ **Dimension :** Approx. 230 x 305 x 150 mm

✶ **Weight :** Approx. 7 Kg

✶ **Accessories :** User's manual, Mains cord, One set of Test Lead (1 mtr) with Crocodile Clips.

✶ **Optional Accessories :** Heavy Duty Crocodile clip with 10mtr. length test lead, Resistance standard.

10 AMP DIGITAL MICRO OHM METER

Model - KM -8500-10

NEW



Micro Ohm Meter is a high sensitivity equipment allowing measurement down to 0.1 micro ohm. This equipment uses four terminal methods for measuring very low resistance. In all there are four leads, 2 for forcing constant current into resistor under test and 2 for measuring voltage across test resistor.

The instrument uses latest state of art technology and integrated circuits to amplify the voltages across the test resistance and hence stable resistance measurement are possible even at Micro Ohm levels.

✶ **Display :** 4½ Digit Digital LED display

✶ APPLICATION :

- Communication Cable
- Instrumentation Cable
- Contactors
- PC Boards
- Distribution transformers
- Bus Bars
- Relays
- Component Manufacturer
- Test Laboratories
- College Laboratories
- Transformer , Motors, Coil Manufacturer
- Current Transformer Manufacturer

✶ FEATURES :

- Resistance Range : 0.1µΩ ~ 1999.9 Ω in 7 ranges
- Test Current : 10A, 1A, 100mA, 10mA, 1mA & 0.1mA
- True Four Terminal Measuring technique eliminates lead resistance natural errors in 2 wire measurments
- Regulated and Highly stable 10 Amp Current Source
- Resolution 0.1 Micro Ohm on 2 milli Ohm range
- Stable and fast measurement
- Download via RS232/ USB port with Software **(optional)**
- Protection against back EMF for high inductive loads.

✶ ELECTRICAL SPECIFICATIONS :

✶ **Power supply :** 230VAC, 50Hz, 1phase

✶ **Dimension :** Approx. 360 x 305 x 150 mm

✶ **Weight :** Approx. 12 Kg

✶ **Accessories :** User's manual, Mains cord, One set of Test Lead (1 mtr) with Crocodile Clips.

✶ **Optional Accessories :** Heavy Duty Crocodile clip with 10mtr. length test lead, Resistance standard & Kelvin Clip Test Leads.

DIGITAL CONTACT RESISTANCE METER (100 AMP MICRO OHM METER)

Model - KM -8500-100

NEW



KM-8500-100 Contact Resistance Meter is a high sensitivity equipment allowing measurement down to 0.1 micro ohm.

This equipment uses four terminal methods for measuring very low resistance. In all there are four leads, 2 for forcing constant current into resistor under test and 2 for measuring voltage across test resistor.

The instrument uses latest state of part technology and integrated circuits to amplify the voltages across the test resistance and hence stable resistance measurement are possible even at Micro Ohm levels.

✶ **Display :** 3.5 Digit LED display

✶ FEATURES :

- 100 Amp DC Constant Current Source
- 0.1 micro ohm resolution in 199.9 micro Ohm Range
- Resistance measured by true Four terminal method.
- Regulated & highly stable 100 amp max Constant Current Source.
- Quick Response
- Fast and Stable measurements
- Test ON and OFF Switch provided for safe operation
- Suitable for Resistive loads

✶ ELECTRICAL SPECIFICATIONS :

Range	Resolution	Test Current	Accuracy
199.9 mΩ	0.1 mΩ	100A	±(0.5% of rdg + 3dgts)
1999 mΩ	1mΩ	100A	±(0.5% of rdg + 3dgts)

- Aux. Supply : 230V ± 10% AC, 50Hz
- Operating Temp : 5 °C to 45 °C
- Temp Coeficient : 50 PPM
- Warm up time : 2 Min.

• **Protection :** Over Current Tripping in Line side by using Incoming Glass Fuse Only. Exhausting & Cooling Fan are provided for heat transmission rapidly.

✶ **Power supply :** 230V ± 10% AC, 50Hz

✶ **Dimension :** Approx. 360 x 305 x 150 mm

✶ **Weight :** Approx. 12 Kg

✶ **Accessories :** 3m long Test Lead, 'C' clamps, Mains Cord, User Manual, Master Earthing Cable.