



# DIGITAL MICRO-OHM METER

**MODEL : MR-253**



“CIE” Make “MR-253” is a compact, light weight, precision, 3½ digits resistance meter suitable for measurement of low value of Resistance. It is suitable for measurement of resistance of Cables, Wires, Transformers, Motor winding, Coils and Contact resistance of switches, relays, track resistance of PCB’s, Calibration of ammeter shunt wires. It is very important instrument for electrical and electronic industry / project etc.

The usage of latest MOS LSI technology has helped in increasing the reliability, ease of servicing and making the instrument light weight and compact.

The instrument uses state of art technology for measurement of low values the measuring technique eliminates errors caused due to resistance in the connection leads.

The instrument uses precision low drift integrated circuits to ensure stability of measurement over widely changing conditions. The value of Resistance is displayed on 7 segment LED display. Four terminal measurement system provides measurements free from error due to contact resistance and test lead resistances.

### Technical Specifications :

- Display : 3½ digits, 1999 counts, seven segment LED Display
- Range : 0-1999µΩ/19.99mΩ/199.9mΩ /1999mΩ/19.99Ω/199.9Ω/1999Ω/19.99kΩ
- Accuracy : ±0.5% ±2 digits

Measuring Range	Resolution	Test Current (DC Current)
1999 micro ohm	1 µΩ	1 A
19.99 milli ohm	0.01 mΩ	1 A
199.9 milli ohm	0.1 mΩ	1 A
1999 milli ohm	1 mΩ	0.1A (i.e. 100mA)
19.99 ohm	0.01 Ω	0.01A (i.e. 10mA)
199.9 ohm	0.1 Ω	0.001A (i.e. 1mA)
1999 ohm	1 Ω	0.0001A (i.e. 0.1mA)
19.99 kilo ohm	0.01 kΩ	0.00001A (i.e. 0.01mA)

- Measurement Technique : 4 Terminals
- Power : 230V, 50Hz, single phase
- Size : 192mm (W) × 96mm (H) × 230mm (D) (approx)
- Weight : 2.25 Kg (approx)
- Accessories : 2 Pairs of Testing leads (Red & Black)

‘CIE’ in a continuing effort to other excellent products at a fair value, reserved the right to change specifications and designs without notice.

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