



Cambridge Instruments
& Engg. Co.

EST. 1963 · HOWRAH, INDIA

MICRO-OHM METER · BENCH-TOP, 4-TERMINAL KELVIN

MR-253A

Digital micro-ohm meter · 4-terminal Kelvin · 3½-digit LED display

01 KEY FEATURES

- 4-terminal Kelvin technique
- 3½-digit seven-segment LED display
- Automatic test-current scaling by range
- MOS LSI technology



MR-253A · MICRO-OHM METER

02 TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATION
Display	3½-digit, 1999 counts, seven-segment LED
Measurement Technique	4-terminal (Kelvin) - eliminates lead & contact resistance error
Accuracy	±0.5% ±2 digits
Power	230 V, 50 Hz, single phase
Dimensions	285 × 210 × 100 mm (approx.)
Weight	2.8 kg (approx.)
Warranty	12 months against manufacturing defects only

03 MEASUREMENT RANGES - RESOLUTION & TEST CURRENT

RANGE	RESOLUTION	TEST CURRENT
0-1999 µΩ	1 µΩ	2 A
0-19.99 mΩ	0.01 mΩ	1 A
0-199.9 mΩ	0.1 mΩ	1 A
0-1999 mΩ	1 mΩ	0.1 A (100 mA)
0-19.99 Ω	0.01 Ω	0.01 A (10 mA)
0-199.9 Ω	0.1 Ω	0.001 A (1 mA)
0-1999 Ω	1 Ω	0.0001 A (0.1 mA)
0-19.99 kΩ	0.01 kΩ	0.00001 A (0.01 mA)

04 APPLICATIONS

- Cable and wire resistance measurement
- Transformer and motor winding resistance checks
- Switch and relay contact resistance testing
- PCB track resistance testing and ammeter shunt calibration

05 WHAT'S IN THE BOX

- ✓ 2 pairs of test leads