



MR-253A

DIGITAL MICRO-OHM METER

4-Terminal Measurement |
Precision Contact Resistance Meter

PRODUCT DESCRIPTION

The CIE MR-253A Digital Micro-Ohm Meter is a precision bench-top instrument designed for accurate measurement of very low resistance values using the proven 4-Terminal Measurement System. By eliminating errors caused by test lead and contact resistance, it delivers reliable and repeatable measurements for production, maintenance, quality control, calibration laboratories and testing applications.

Built with precision MOS-LSI circuitry and a rugged metal enclosure, the MR-253A offers stable performance, high measurement accuracy and excellent long-term reliability, making it an ideal solution for electrical manufacturing, maintenance, quality control, calibration laboratories and testing applications.



4-TERMINAL
MEASUREMENT



3 1/2 DIGIT
LED DISPLAY



EIGHT
MEASUREMENT
RANGES



HIGH
ACCURACY



FRONT PANEL
ZERO ADJUST



ELECTRONIC
RANGE
SELECTION

KEY FEATURES

- ✓ True 4-Terminal Measurement System
- ✓ 3 1/2 Digit (1999 Counts) LED Display
- ✓ Eight Precision Measurement Ranges
- ✓ High Accuracy: $\pm 0.5\%$ of Reading ± 2 Digits
- ✓ Precision MOS-LSI Circuit Design
- ✓ Automatic Highest Range Selection on Power-Up
- ✓ Individual Electronic Range Selection
- ✓ Front Panel Zero Adjustment
- ✓ Reliable Low Resistance Measurement with High Accuracy
- ✓ Powder Coated Metal Enclosure
- ✓ Designed for Continuous Duty Operation

TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATION
Display	3 1/2 Digit LED Display 1999 Counts
Measurement Technique	4-Terminal Measurement System
Accuracy	$\pm 0.5\%$ rdg. ± 2 digits
Measurement Ranges	8 Ranges
Power Supply	230V AC, 50Hz, Single Phase
Warm-Up Time	5-10 Minutes
Dimensions	285 x 210 x 100 mm
Weight	2.8 kg

MEASUREMENT RANGES

MEASURING RANGE	RESOLUTION	TEST CURRENT
1999 $\mu\Omega$	1 $\mu\Omega$	2 A
19.99 m Ω	0.01 m Ω	1 A
199.9 m Ω	0.1 m Ω	1 A
1999 m Ω	1 m Ω	100 mA
19.99 Ω	0.01 Ω	10 mA
199.9 Ω	0.1 Ω	1 mA
1999 Ω	1 Ω	0.1 mA
19.99 k Ω	0.01 k Ω	0.01 mA

STANDARD ACCESSORIES

- Two Pairs of Testing Leads (Red & Black)
- Power Cord
- Instruction Manual

IDEAL FOR



ELECTRICAL
MAINTENANCE



TRANSFORMER
MANUFACTURING



CABLE & WIRE
INDUSTRIES



MOTOR
WINDING TESTING



SWITCHGEAR
MANUFACTURERS



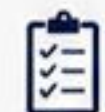
RELAY CONTACT
TESTING



CONTACT
RESISTANCE
MEASUREMENT



CALIBRATION
LABORATORIES



QUALITY CONTROL
DEPARTMENTS



RESEARCH &
DEVELOPMENT

