

4½ - DIGIT MICRO-OHM METER

PE-11R



KEY FEATURES

- ▶ 1 μΩ to 20 kΩ with basic accuracy of 0.05% in 7 different ranges
- ▶ 4½ digit LED display
- ▶ 1 μΩ resolution
- ▶ 1A DC max. test current
- ▶ True 4-wire/Kelvin resistance measurement technique
- ▶ Low PPM/°C
- ▶ Fast response and field proven since more than 2 decade

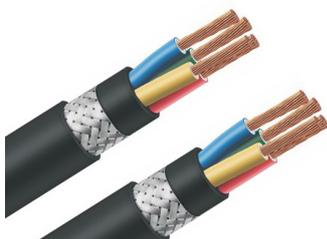
OPTIONAL FEATURES

- ▶ PC interface & Memory Storage
- ▶ Temperature Sensor & Corrected readings
- ▶ Comparator Facility
- ▶ Resistivity & % IACS Calculation
- ▶ Battery Operation & Field portable Version

Digital Micro - Ohm Meter MODEL PE - 11R (1A DC test current) manufactured by Prestige Electronics is ideally suited for measuring very low resistance down to 1 μΩ. Use of four wire system eliminates lead resistance errors. The PE-11R has 4½ digit LED display with resistance measurement range from 20 mΩ to 20 kΩ with minimum resolution of 1μΩ. This mains-operated meter is very rugged, portable and light weight with high degree of accuracy, stability and repeatability. The PE-11R is suitable for measuring resistances of low voltage cables & wires, small conductors, switches, relays, wirewound resistors, chokes, motors, transformers (CTs & PTs), contactors and other resistive/ low inductive materials.

APPLICATIONS

- ▶ Low voltage Cables & Wires resistance
- ▶ Toggle Switches/Micro Switches & Relays
- ▶ Motor winding resistance
- ▶ Wirewound/Ceramic/Metal film & all types of resistors
- ▶ Circuit breakers, MCBs resistance
- ▶ Metallurgical applications
- ▶ Distribution Transformer winding resistance



SPECIFICATIONS

Technical Specifications

RANGE	RESOLUTION	TEST CURRENT	ACCURACY
0-19.999mΩ	1μΩ	1A	0.05% of reading ± 0.01% of range
0-199.99mΩ	10μΩ	1A	0.05% of reading ± 0.01% of range
0-1.9999Ω	100μΩ	0.1A	0.05% of reading ± 0.01% of range
0-19.999Ω	1mΩ	10mA	0.05% of reading ± 0.01% of range
0-199.99Ω	10mΩ	1mA	0.05% of reading ± 0.01% of range
0-1.9999kΩ	100mΩ	0.1mA	0.05% of reading ± 0.01% of range
0-19.999kΩ	1Ω	10μA	0.05% of reading ± 0.01% of range

Temperature coefficient: 50 PPM/°C

General Specifications

DISPLAY	4½ digit (12.5 mm) LED display
POWER	230V ± 15% 50/60 Hz
OPERATING TEMPERATURE	5° to 50° C
TEMPERATURE COEFFICIENT	50 PPM/°C
RELATIVE HUMIDITY	55% ± 10%
OVER-RANGE INDICATION	OL display

ACCESSORIES

Standard accessories

NAME	QUANTITY
1-meter long test lead set with crocodile clips	1
Moulded Mains cord	1
Operating manual	1

Optional accessories

- Test leads with gold-plated Kelvin clips
- Test leads upto 10-meter long
- Heavy-duty crocodile clips, 'C' clamps(4" or 6"), Pointer probe
- Standard Resistance (100 μΩ to 100 Ω) / Oil immersed Standard resistance
- Standard Decade Resistance box
- 1-meter stand Models for all types of cables & conductors
- Rugged wooden / Hard Plastic ABS carrying case



NOTES: 1. The Instrument is accompanied with test and calibration certificate. 2. All measurement standards are traceable to NABL accredited labs. 3. NABL calibration optional. 4. Specifications are subject to change without notice. 5. Prompt services

Designed & Manufactured by

Prestige ELECTRONICS

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