

4½ - DIGIT MICRO-OHM METER

PE-11RC



KEY FEATURES

- ▶ 1 $\mu\Omega$ to 200 k Ω with basic accuracy of 0.05% in 8 different ranges
- ▶ 4½ digit LCD display with backlit
- ▶ 1 $\mu\Omega$ resolution
- ▶ RS-232 or RS-485 communication interface
- ▶ Standalone/Remote PC control operation
- ▶ Programmable LO-HI comparator facility
- ▶ State-of-the-art PC software (PE-RMC 2.0) for cable, conductor and production testing
- ▶ Potential-free relay contacts
- ▶ Memory Storage upto 2500 readings

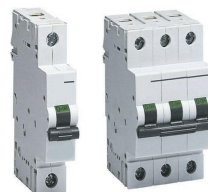
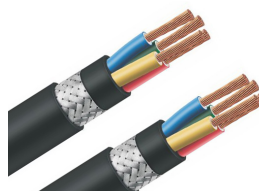
OPTIONAL FEATURES

- ▶ Standard Modbus Interface
- ▶ Temperature Sensor & Corrected Readings
- ▶ Resistivity & % IACS Calculation
- ▶ Battery Operation & Field Portable version

Digital Micro - Ohm Meter MODEL PE - 11RC (1A DC test current) manufactured by Prestige Electronics is ideally suited for measuring very low resistance down to 1 $\mu\Omega$. Use of four wire system eliminates lead resistance errors. The PE-11RC has 4½ digit LCD display with resistance measurement range from 20 m Ω to 200 k Ω with minimum resolution of 1 $\mu\Omega$. This mains-operated meter is very rugged, portable and light weight with high degree of accuracy, stability and repeatability. The PE-11RC 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
- ▶ Automatic Motor Testing Panel
- ▶ Other Automation Panels



SPECIFICATIONS

Technical Specifications

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

Temperature coefficient: 50 PPM/°C

General Specifications

DISPLAY	4½ digit LCD display
POWER	230V ± 15% 50/60 Hz
OPERATING TEMPERATURE	0° to 50° C
TEMPERATURE COEFFICIENT	50 PPM/°C
RELATIVE HUMIDITY	55% ± 10%
OVER-RANGE INDICATION	OVER RANGE display
ALARMS	PASS/FAIL INDICATION AND BUZZER

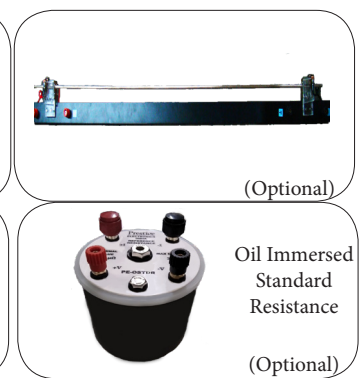
ACCESSORIES

Standard accessories

NAME	QUANTITY
1-meter long test lead set with crocodile clips	1
Moulded long Mains cord	1
Operating manual	1
3-meter long modem cable	1
PE-RMC 2.0 software CD	1
USB/Serial cable (with CD)	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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