

# 3 3/4 - DIGIT MICRO-OHM METER

## PE-53C+



### KEY FEATURES

- ▶ 1μΩ to 29.99kΩ in 8 different ranges
- ▶ LCD display with 1μΩ resolution
- ▶ 1A DC test current in 1<sup>st</sup> three ranges
- ▶ Auto-zeroing capability
- ▶ True 4-wire/Kelvin resistance measurement technique

Digital Micro - Ohm Meter MODEL PE - 53C+ (1A DC test current) manufactured by Prestige Electronics is ideally suited for measuring very low resistance down to 1μΩ. Use of four wire system eliminates lead resistance errors. The PE-53C+ has LCD display with resistance measurement range from 1μΩ to 30kΩ with minimum resolution of 1μΩ. This mains-operated meter is very rugged, portable and light weight. The PE-53C+ is suitable for measuring resistances of Low voltage cables, wires, conductors, motor winding resistance, wirewound resistance, toggle switches & micro switches, transformer winding resistance of small transformers & other low resistance materials.

### APPLICATIONS

- ▶ Cables
- ▶ Motor winding resistance
- ▶ Wirewound resistance
- ▶ Toggle switches & Micro switches



## SPECIFICATIONS

### Technical Specifications

RANGE	RESOLUTION	TEST CURRENT*	ACCURACY
2999 $\mu\Omega$	1 $\mu\Omega$	1 A	0.2% $\pm$ 3digits
29.99 m $\Omega$	10 $\mu\Omega$	1 A	0.1% $\pm$ 2digits
299.9 m $\Omega$	100 $\mu\Omega$	1 A	0.1% $\pm$ 2digits
2999 m $\Omega$	1 m $\Omega$	10 mA	0.1% $\pm$ 2digits
29.99 $\Omega$	10 m $\Omega$	10 mA	0.1% $\pm$ 2digits
299.9 $\Omega$	100 m $\Omega$	10 mA	0.1% $\pm$ 2digits
2999 $\Omega$	1 $\Omega$	0.1 mA	0.1% $\pm$ 2digits
29.99 k $\Omega$	10 $\Omega$	0.1 mA	0.1% $\pm$ 2digits

Temperature coefficient: 50 PPM/ $^{\circ}$ C

\*Test current specified is approximate

### General Specifications

DISPLAY	LCD display with backlight
POWER	230V $\pm$ 15% 50/60 Hz
OPERATING TEMPERATURE	0 $^{\circ}$ to 50 $^{\circ}$ C
TEMPERATURE COEFFICIENT	100 PPM/ $^{\circ}$ C
RELATIVE HUMIDITY	55% $\pm$ 10%
OVER-RANGE INDICATION	OL display

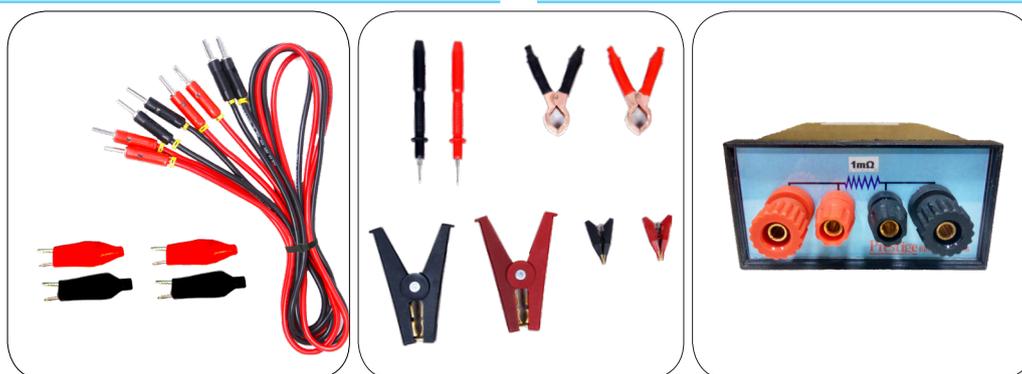
## ACCESSORIES

### Standard accessories

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

### Optional accessories

- Test leads with gold-plated Kelvin clips
- Test leads upto 5-meter long
- Other clip Arrangements
- Standard shunt (0.5 m $\Omega$  to 100  $\Omega$ )
- 1-meter stand for conductor resistance measurement



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

Designed & Manufactured by

# Prestige ELECTRONICS

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