



MICRO-OHM METER

Model: PMO-53+



RTS make Micro-Ohm Meter is suitable for automatic offline measurement of small resistance of Shunts, cables, cable joints etc. and measurement of resistance up to 32kΩ

The test results are repeatable, consistent & immune to electromagnetic interference.

Technical Specification:

Particulars	Specification
Application	Measurement of Resistance from Micro-Ohms to kilo-Ohms
Design	It will be micro-processor based for fast & accurate measurement. It will use classic Kelvin's 4-wire method to measure resistance.
No. of Channel	1 for Resistance measurement 1 for test current (internal)
Current Ranges	1A (max.) (Continuous operation)
Resistance Range	100 $\mu\Omega$ to 32k Ω (in 8 ranges)
Resolution	3½ Digits. Best resolution of 1 $\mu\Omega$ at 2000 $\mu\Omega$ range
Accuracy	$\pm 0.25\% \pm 2$ digits (FS): For Range 20m Ω to 30k Ω $\pm 0.50\% \pm 5$ digits (FS): For Range 2000 $\mu\Omega$
Display	7-segment display with LED indications
Open Circuit voltage	5Vdc
Serial Port	RS232C (Optional)
Key Pad	Alpha-numeric keypad for operation of kit
Indications	Current ON
Power supply	230V AC $\pm 10\%$, 50Hz $\pm 5\%$
Environment	0 to 50°C under live HV switchyard
Casing	Table top Instrument case
Weight	2.5kg (Approx.)

Standard accessories:

1. Test Leads: Current Lead (Cu-2.5mm²) – 2 nos.
Potential Leads (Cu-2.5mm²) – 2 nos.
2. Power Cord (Built-in)
3. Operation Manual
4. Calibration Certificate traceable to ERTL(N), Delhi

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