

Series

1867 Megohmmeter

High Resistance Meter

USES:

- Insulation Resistance on Wire and Cable
- Insulation Resistance on Capacitors

FEATURES:

- Economical Megohmmeter
- High Charge Current up to 25mA
- 200 Test Voltages: 10 to 1090V
- 50kW to 200TW ($2 \times 10^{14}W$)
- Pass/Fail Indication
- Simple Operation

Introduction

The 1867 Megohmmeter is an excellent and economical choice for production testing. Test voltage can be set to any value from 10 to 109V in 1-volt steps and to 1090V in 10-volt steps. Thus, the 1867 can be set to any common, or uncommon, test voltage for ceramic, mica or paper capacitors, or other devices. The reverse resistance of rectifiers can be readily measured; the low test voltages available are especially useful in measuring solid-state diodes. An additional range permits measurements up to 2×10^{14} ohms ($200T\Omega$).

This unit is easy to use with direct-reading meter indication and lighted range switch that shows the multiplier for each range and voltage. The maximum current possible at the terminals is limited to a 25mA when at the 500V-1090V range. Stable power supplies and feedback voltmeter circuit minimize drift and time-wasting adjustments. Guard and ground terminals permit measurement of grounded or ungrounded two-or three-terminal resistors.



For more detailed specifications, visit www.quadtech.com

For more information about special purchase, rent & lease options, call

1-800-253-1230
Fax 1-978-461-4295
Intl. 1-978-461-2100



1867 Megohmmeter

<p>Resistance Accuracy: Range 1-6: \pm (2% +1 division) Range 7: \pm (5% +1 division) Range 8: \pm (10% +1 division)</p> <p>Voltage Accuracy: (across unknown): \pm 2%</p> <p>Short-Circuit Current: Test Voltage: 10V-500V: 5mA 500V-1090V: 25mA</p> <p>Input Terminals: Front Panel Mounted: 1 Sheathed Banana Jack (-) unknown (red) 2 Binding Posts guard (black) ground (yellow) 1 Female BNC (+) unknown</p> <p>Display: Analog meter Caution High Voltage warning indicator Low Fail, High Fail and Pass indicators</p>	<p>Dimensions: Bench with tilt back bail (w x h x d) : (260 x 270 x 100 mm) (10.40 x 10.80 x 4.00 inches)</p> <p>Weight: Approx. 5.0 kg (10.9 lbs) - Net Approx. 6.0 kg (13.2 lbs) - Shipping</p> <p>Power: 95 to 126V or 200 to 250V, 50-60Hz, 35W</p> <p>Environmental: Operating: 0°C to +40°C, stated accuracy <70% RH</p> <p>Storage: -20°C to +60°C, <80% RH</p> <p>Remote Control: Input: Trigger Output: High Fail, Low Fail, Pass Connector: Terminal Strip</p>
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Voltage and Resistance Ranges

Voltage	Rmin (Full Scale)	Rmax (10% of Scale)	Rmax (2% of Scale)	Useful Ranges
10V to 50V	50k Ω	500G Ω	2T Ω	7
50V to 100V	200k Ω	5T Ω	20T Ω	8
100V to 500V	500k Ω	5T Ω	20T Ω	7
500V to 1090V	5M Ω	50T Ω	200T Ω	8

Ordering Information

1867-9700 Megohmmeter, Portable

Includes:

N/A	Calibration Certificate Traceable to NIST
150355	Instruction Manual
700070	Power Cable
1867-01	Shielded Test Leads (2)
520075	Fuse 0.3A SB (for 115V and 230V)

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