

Series 1867 Megohmmeter

USES:

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

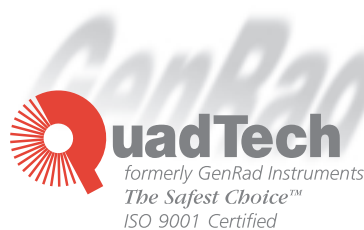
FEATURES:

- Economical Megohmmeter
- High Charge Current up to 25mA
- 200 Test Voltages: 10 to 1000V
- $50k\Omega$ to $200M\Omega$ ($2 \times 10^4\Omega$)
- Pass/Fail Indication

Introduction

The 1867 Megohmmeter is an excellent and economical choice for production testing. Test voltage can be set to any value from 10 to 1000V in 1-volt steps and to 1000V 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 2×10^4 ohms ($200k\Omega$).

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-1000V 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

Resistance Accuracy: Range 1-6 $\pm 2\%$ (meter reading +1count)
 Range 7: $\pm 5\%$ (meter reading +1count)
 Range 8 $\pm 10\%$ (meter reading +1count)

Voltage Accuracy: (across unknown): $\pm 2\%$

Short-Circuit Current Test Voltage: 10V-500V: 5mA
 500V-1090V: 25mA

Input Terminals: Front Panel Mounted:
 3 Sheathed Banana Jack
 - unknown (red)
 guard (black)
 ground (yellow)
 1 Female BNC
 + unknown

Display: Analog meter
 Caution High Voltage warning indicator
 Low Fail, High Fail and Pass indicators

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)

Weight: Approx. 5.0 kg (10.9 lbs) - Net
 Approx. 6.0 kg (13.2 lbs) - Shipping

Power: 95 to 126V or 200 to 250V,
 50-60Hz, 35W

Environmental: Operating: 0°C to +40°C, stated
 accuracy <70% RH

Storage: -20°C to +60°C, <80% RH

Remote Control: Input: Trigger
 Output: High Fail, Low Fail, Pass
 Connector: Terminal Strip

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:

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

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