

# Fluke 1550B MegOhmMeter

Specifications	
Test Voltage 250 V DC	<b>Range:</b> 200 k $\Omega$ to 5 G $\Omega$ <b>Accuracy:</b> 5% <b>Range:</b> 5 G $\Omega$ to 50 G $\Omega$ <b>Accuracy:</b> 20%
Test Voltage 500 V DC	<b>Range:</b> 200 k $\Omega$ to 10 G $\Omega$ <b>Accuracy:</b> 5% <b>Range:</b> 10 G $\Omega$ to 100 G $\Omega$ <b>Accuracy:</b> 20%
Test Voltage 1000 V DC	<b>Range:</b> 200 k $\Omega$ to 20 G $\Omega$ <b>Accuracy:</b> 5% <b>Range:</b> 20 G $\Omega$ to 200 G $\Omega$ <b>Accuracy:</b> 20
Test Voltage 2500 V DC	<b>Range:</b> 200 k $\Omega$ to 50 G $\Omega$ <b>Accuracy:</b> 5% <b>Range:</b> 50 G $\Omega$ to 500 G $\Omega$ <b>Accuracy:</b> 20%
Test Voltage 5000 V DC	<b>Range:</b> 200 k $\Omega$ to 100 G $\Omega$ <b>Accuracy:</b> 5% <b>Range:</b> 100 G $\Omega$ to 1 T $\Omega$ <b>Accuracy:</b> 20%
Short circuit current	> 1 mA and < 2 mA
Bar graph	Range: 0 to 1 T $\Omega$
Insulation test voltage	<b>Accuracy:</b> 0% to 10% at 1 mA load current
Induced AC mains current rejection	<b>Max:</b> 2 mA
Charging rate for capacitive load	5 s/ $\mu$ F
Leakage current	<b>Range:</b> 1 nA to 2 mA <b>Accuracy:</b> $\pm(5\% + 2 \text{ nA})$
Capacitance measurements	<b>Range:</b> 0.01 $\mu$ F to 15.00 $\mu$ F <b>Accuracy:</b> $\pm(15\% \text{ rdg} + 0.03 \mu\text{F})$
Live circuit indicator	<b>Range:</b> 30 V to 600 V (AC/DC, 50/60 Hz) <b>Accuracy:</b> $\pm(5\% + 2\text{V})$
Timer	1 - 99 minutes <b>Settable:</b> 1 minute increments <b>Indication:</b> 1 second resolution
Ramp	0% to 100% of selected test voltage, or until breakdown
Environmental Specifications	
Operating Temperature	-20 $^{\circ}$ C to +50 $^{\circ}$ C (-4 $^{\circ}$ F to 122 $^{\circ}$ F)
Storage Temperature	-20 $^{\circ}$ C to +65 $^{\circ}$ C (-4 $^{\circ}$ F to 149 $^{\circ}$ F)
Humidity (Without Condensation)	80% at 31 $^{\circ}$ C (87.8 $^{\circ}$ F), 50% at 50 $^{\circ}$ C (122 $^{\circ}$ F)
Dust/water resistance	IP-40

<b>Operating Altitude</b>	2,000 m
<b>Safety Specifications</b>	
<b>Safety Rating</b>	EN 61010-1, CAT III 600V, EN61557, Parts 1 & 2
<b>EMI immunity</b>	EN 61326
<b>Mechanical &amp; General Specifications</b>	
<b>Size</b>	170mm x 242mm x 330 mm (6.7" x 9.5" x 13.0")
<b>Weight</b>	4 kg (with battery) (8.8 lbs)
<b>Batteries</b>	12 V, lead-acid, rechargeable
<b>Warranty</b>	2 years
<b>Battery Life</b>	<b>Test voltage:</b> Number of tests <b>250 V:</b> 4100 <b>500 V:</b> 3600 <b>1000 V:</b> 3200 <b>2500 V:</b> 2500 <b>5000 V:</b> 1500
<b>Shock &amp; Vibration</b>	MIL-PRF-28800F, Class II
<b>Charger input</b>	<b>AC:</b> 85 to 250 V AC, 50/60 Hz, 50 VA