

1550 MegOhmMeter

Digital insulation testing up to 5000 Volts

New



The Fluke 1550 is a digital insulation tester capable of testing switchgear, motors, generators and cables at up to 5000 V DC. It can be used for a wide range of tests: from simple spot checks to timed tests and breakdown tests. Measurement storage and PC interface software make it ideal for preventive maintenance.

- Test voltages of 500 V, 1000 V, 2500 V, 5000 V
- Measures up to 1 Tera-Ohm
- Warning voltage function alerts the user that line voltage is present and gives the voltage reading up to 600V AC or DC
- Guard system eliminates the effect of surface leakage current on high-resistance measurements

- Large digital/analog LCD shows detailed measurement data
- Cable or insulation capacitance
- Leakage current
- Ramp function (0-5000 V DC) for breakdown testing
- Timer for dielectric absorption and polarization index tests
- 99 memory locations store all measurements parameters
- Mobile (Car) charging adapter for DC charging
- Includes Quicklink 1550 Software and Optical Interface cable

Safety Conformance

All inputs are protected to IEN 61010-1, CAT III, 600 V and the 1550 is compliant to EN 61557 parts 1&2.

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Specifications

Test Voltage (DC)	Range	Accuracy (+/- reading)
500V	200kΩ to 10GΩ 10GΩ to 100GΩ	5% 20%
1000V	200kΩ to 20GΩ 20GΩ to 200GΩ	5% 20%
2500V	200kΩ to 50GΩ 50GΩ to 500GΩ	5% 20%
5000V	200kΩ to 100GΩ 100GΩ to 1TΩ	5% 20%
Short circuit current	greater than 1 mA and less than 2mA	
Bar graph range	0 to 1TΩ	
Insulation test voltage accuracy	0% to + 10% at 1mA load current	
Induced AC mains current rejection	2 mA maximum	
Charging rate for capacitive load	5 seconds per μF	
Leakage current	1nA to 2mA	± (5% + 2nA)
Capacitance measurements	0.01μF to 15.00μF	± (15% rdg + 0.03μF)
Live circuit indicator	30V to 600V AC/DC, 50/60Hz	± (5% + 2V)
Timer	0 to 99 minutes; settable in 1 minute increments; indicated to within 1 second	
Ramp	0% to 100% of selected test voltage, or until breakdown.	

Accessories and Ordering Information

Included Accessories

Test leads, 5000 V-rated probes, Alligator clips, Interface adapter and cable Quicklink 1550 PC software, DC (Car) charging adapter, soft carrying case with water-proof bottom, instruction manual.

Ordering Information

Fluke 1550 MegOhmMeter

Operating Temperature: -20°C to 40°C

Storage Temperature: -20°C to 65°C

Relative humidity: 80% at 31°C

Dust/water resistance: IP40

Operating Altitude: 0 to 2,000 mtrs.

Batteries: 12 volt, lead-acid, rechargeable

Size: 330 x 242 x 170 mm

Weight: 4 kg (with battery)

Two Year Warranty