

# Fluke 1507/1503 Insulation Resistance Testers

## Troubleshooting and predictive maintenance tools



These lightweight, affordable insulation testers are perfect for troubleshooting, commissioning and preventive maintenance applications.

### Features

- Automatic calculation of polarization index and dielectric absorption ratio (1507 only)
- Multiple test voltages: 50 V, 100 V, 250 V, 500 V, 1000 V (1507 only)
- Remote test probe for rapid testing
- Insulation test range 0.01 MΩ to 10 GΩ (1507), 0.1 MΩ to 2000 MΩ (1503)
- Compare (Pass/Fail) function for repetitive tests (1507 only)
- Live circuit detection prevents insulation test if voltage > 30 V is detected
- Auto-discharge of capacitive voltage
- AC/DC voltage: 0.1 V to 600 V
- Lo ohms/Earth-bond continuity (200 mA) for checking connections and motor windings
- Resistance: 0.01 Ω to 20.00 Ω
- One-year warranty



### Selection guide

Features	1555	1550C	1507	1503	1587	1577
Insulation test voltages 50 V, 100 V, 250 V, 500 V, 1000 V			•		•	
Insulation test voltages 500 V, 1000 V				•		•
Insulation test voltages: User selectable 250 V to 5000 V		•				
Insulation test voltages: User selectable 250 V to 10,000 V	•					
Insulation resistance	2 TΩ	1 TΩ	0.01 MΩ to 10 GΩ	0.1 MΩ to 2 GΩ	0.01 MΩ to 2.0 GΩ	0.1 MΩ to 600 MΩ
Auto-discharge of capacitive voltage	•	•	•	•	•	•
Insulation test smoothing reading					•	
Frequency					•	
Capacitance	•	•			•	
Diode test					•	
Temperature					•	
Min/Max					•	
Low-pass filter (for work on VSDs)					•	
AC/DC voltage					•	•
DC millivolts					•	•
AC/DC milliamps					•	•
Resistance			0.1 Ω to 20.00 KΩ	0.1 Ω to 20.00 KΩ	0.1 Ω to 50 MΩ	0.1 Ω to 50 MΩ
Continuity					•	•
Warranty (years)	3	3	1	1	3	3
Remote probe, test leads, alligator clips	•	•	•	•	•	•
Type K thermocouple					•	
Rugged, utility hard case	•	•	•	•	•	•
Auto power off	•	•	•	•	•	•
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### Ordering information

Included accessories	Models
Remote probe, test leads, test probes, alligator clips, holster, users manual.	FLUKE-1507 Insulation Tester
	FLUKE-1503 Insulation Tester
Soft carrying pouch, users manual.	FLUKE-360 AC Leakage Current Clamp Meter

### Specialty models

#### Fluke 360 AC Leakage Current Clamp Meter

Calculate insulation resistance while equipment is under load by measuring insulation leakage current. The unique jaw design of the Fluke 360 eliminates the influence of adjacent current conductors and measures leakage current down to 1 μA for monitoring of insulation. The ergonomic design of the Fluke 360 ensures easy measuring. The measuring clamp fits into tight spaces and the wide display angle clearly shows the measurement result. The Data Hold button keeps the measured value on the display after removing the clamp for the measured conductor.



The Fluke 360 offers the widest range of current measurement. Use the rugged Fluke 360 when it's not possible to power down and break the circuit.

#### Current measurement

- Automatic ranging within the manually selected mA or A range
- Ranges 3/30 mA and 30/60 A
- Current resolution 1 μA/0.01 mA and 0.01 A/0.1 A
- Frequency range 50 and 60 Hz
- Jaw size: 40 mm (1.55 in) maximum conductor diameter
- Auto power off

### Recommended accessories



**TPAK**  
Magnetic Meter Hanger  
See page 62



**TL225**  
Stray Voltage Adapter  
Test Lead Kit



**C25**  
Meter Case  
See page 54



**C101**  
Hard Case  
See page 54

Check price and availability at [www.fluke.com/wtb](http://www.fluke.com/wtb)