

Fluke 1507/1503 Insulation Resistance Testers



Fluke 1507

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



Fluke 1503



Recommended accessories



TPAK
Magnetic Meter Hanger
See page 64



TL27
Heavy Duty Test Lead Set



C116
Soft Carrying Case
See page 56



C101
Hard Case
See page 56



360
AC Leakage Current
Clamp Meter
See page 6

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, silicone test leads, test probes, large alligator clips, holster, users manual.	FLUKE-1507 FLUKE-1503
Soft carrying pouch, users manual.	FLUKE-360