

# 1503/1507 Insulation Testers



Fluke 1503

Fluke 1507

## Truly portable insulation resistance testers

When you need a low cost solution to general purpose insulation testing look no further than the new Fluke insulation tester range. The Fluke 1507 and 1503 Insulation Testers are compact, rugged, reliable and easy to use.

The multiple test voltages on both models make them ideal for many troubleshooting, commissioning and preventive maintenance applications. Additional features like the remote probe save both time and money when performing tests.

### Features

	1503	1507
User selectable test voltages for many applications	●	●
Additional test voltages 50V, 100V, 250V		●
Special remote control probe for easy and safe measurements	●	
Auto-discharge of capacitive voltage for added user protection	●	●
Live circuit detection prevents insulation test if voltage > 30 V is detected for added user protection	●	●
Save both time and money with Automatic calculation of Polarization Index and Dielectric Absorption Ratio		●
Auto Power off to save batteries	●	●
Large display with backlight	●	●
Continuity function (200 mA)	●	
Compare function (pass/fail) for fast repetitive tests		●

### Specifications

Insulation specifications	1503	1507
Insulation test range	0.1 MΩ to 2 GΩ	0.01 MΩ to 10 GΩ
Test voltages	500 V, 1000 V	50 V, 100 V, 250 V, 500 V, 1000 V
Test voltage accuracy	+ 20 %, - 0 %	+ 20 %, - 0 %
Insulation test current	1mA nominal	1mA nominal
AC/DC Voltage measurement	600 V (0.1 V resolution)	600 V (0.1 V resolution)
Resistance measurement range	0.01 Ω to 20 kΩ	0.01 Ω to 20 kΩ
Auto discharge	Discharge time < 0.5 second for C = 1 μF or less	Discharge time < 0.5 second for C = 1 μF or less
Maximum capacitive load	Up to 1 μF	Up to 1 μF
Open circuit test voltage	> 4 V, < 8 V	> 4 V, < 8 V
Short circuit current	> 200 mA	> 200 mA

**Battery life: Insulation Test:** > 1000 tests  
**Size (HxWxD):**  
 203 mm x 100 mm x 50 mm

**Weight:** 0.55 kg  
**One Year Warranty**



### Included Accessories

- TP165x Remote Test Probe
- TL224 SureGrip Silicone Test Lead Set
- TP74 Lantern Tip Test Probe Set
- Alligator clips

### Ordering Information

- Fluke 1503 Insulation Tester
- Fluke 1507 Insulation Tester

### Fluke 1503/1507 Applications



Insulation test at a distribution panel



Wiring test in a small distribution box – all in one spot

### Recommended Accessories



**C101**  
See page 153



**PAK**  
See page 155



**TLK 225**  
See page 146



**AC285**  
See page 145



**L210**  
See page 156