

# 1503/1507 Insulation Testers



Fluke 1503

Fluke 1507



## 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

## 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**

## Recommended Accessories



C101



TPAK



TLK 225



AC285



L210