

New



Fluke 1577



Fluke 1587



Included Accessories

- C101 Rugged, utility hard case
- TL224 SureGrip Silicone Test Lead Set
- AC285 SureGrip Alligator Clip Set
- 80BK Integrated DMM Temperature Probe (Type K)
- TP165X Remote Test Probe

Ordering Information

- Fluke 1577 Insulation Multimeter
 - Fluke 1587 Insulation Multimeter
 - Fluke 1587ET Advanced Electrical Troubleshooting Kit
 - Fluke 1587MDT Advanced Motor & Drive Troubleshooting Kit
- See page 13

Two powerful tools in one

The Fluke 1587 and 1577 Insulation Multimeters combine a digital insulation tester with a full-featured True RMS digital multimeter in a single compact, handheld unit, which provides maximum versatility for both troubleshooting and preventive maintenance.

Whether you work on motors, generators, cables, or switch-gear, the Fluke 1587/1577 Insulation Multimeters are ideally suited to help you with your tasks.

Features

Multimeter Features	1577	1587
True RMS Voltage and Current for accurate measurements	●	●
Autorange and manual range for easy testing.	●	●
Selectable filter for accurate voltage and frequency measurements on motor drives		●
Min Max Recording, Diode test, temperature, capacitance & frequency measurement for maximum flexibility.		●
Insulation features		
User selectable test voltages for many applications	●	●
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 > 30V is detected for added user protection	●	●
General features		
Auto Power off to save batteries	●	●
Large display with backlight	●	●
Input Alert to warn for incorrect connections	●	●
Continuity	●	●

Insulation Specifications

	1577	1587
Measurement range	0.1MΩ to 600MΩ	0.01MΩ to 2GΩ
Test voltages	500V, 1000V	50V, 100V, 250V, 500V, 1000V
Test voltage accuracy	+ 20%, - 0%	+ 20%, - 0%
Insulation test current	1 mA nominal	1 mA nominal
Auto discharge	Discharge time < 0.5s for C = 1μF or less	Discharge time < 0.5s for C = 1μF or less
Maximum capacitive load	Up to 1μF load	Up to 1μF load

Multimeter Specifications

Functions	Maximum	Max. resolution	1577	1587
Voltage DC	1000V	1 mV	± (0.2% + 2)	± (0.09% + 2)
Voltage AC	1000V	0.1mV	± (2% + 3)	± (2% + 3)
Current DC	400mA	0.01mA	± (1.0% + 2)	± (0.2% + 2)
Current AC	400mA	0.01mA	± (2% + 2)	± (1.5% + 2)
Resistance	50.0MΩ	0.1Ω	± (1.2% + 2)	± (0.9% + 2)
Capacitance	9999μF	1 nF	-	± (1.2% + 2)
Frequency	99.99kHz	0.01 Hz	-	± (0.1% + 1)
Temperature	-40°C to +537°C	0.1°C	-	± (1% + 10)

Battery life: Meter: 1000 hrs, Insulation Test: >1000 tests

Weight: 0.55 kg
Three Year Warranty

Size (HxWxD):
203 mm x 100 mm x 50 mm

Recommended Accessories



C25
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i400
See page 80



TPAK
See page 86



L215
See page 77



TL238
See page 76