

1577/1587 Insulation Multimeters

FLUKE®

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

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

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

Weight: 0.55 kg
Three Year Warranty

Recommended Accessories



C25



I400



TPAK



L215



TL238