

# 77IV Digital Multimeter



On all inputs



Fluke 77IV

### Included Accessories

TL75 test leads, operator's manual, 9V battery (installed)

### Ordering Information

Fluke 77IV Multimeter

## Versatile multimeter for field service or bench repair

The 77-IV digital multimeter has the features needed to repair most electrical and electronic problems. This meter is simple to use and has significant improvements over Fluke's original 70

Series with more measurement functions, conformance to the latest safety standards, and a much larger display that's easier to view.

### Features

	77 IV
Digital display counts	6000
Large display with backlight	●
Min-Max-Average recording mode with Min/Max Alert	●
High contrast digital display with large digits	●
Analog bargraph/segments	31
Auto and Manual ranging	●
Automatic Touch Hold*	●
Audible continuity / diode test	●
Ergonomic case with integrated holster	●
Sleep Mode preserves battery life	●
EN 61010-1 safety rating	●

CAT IV 600V / CAT III 1000V

### Specifications

Function	Maximum	Max. resolution	Accuracy
Voltage DC	1000V	1mV	±(0.3% + 1)
Voltage AC	1000V	1mV	±(2.0% + 2)
Current DC	10A	0.01mA	±(1.5% + 2)
Current AC	10A	0.01mA	±(2.5% + 2)
Resistance	50MΩ	0.1Ω	±(0.5% + 1)
Capacitance	9999μF	1nF	±(1.2% + 2)
Frequency	99.99kHz	0.01Hz	±(0.1% + 1)

Accuracies are best accuracies for each function.

**Battery Life:** 400 hours typical  
**Size (HxWxD):** 185 mm x 90 mm x 43 mm

**Weight:** 0.42 kg  
**Lifetime Warranty**

# 27 Sealed Digital Multimeter



On all inputs



Fluke 27

### Included Accessories

TL75 right-angle test leads, two insulated AC72 alligator clips, spare fuse, 9 Volt battery and operator's manual.

### Ordering Information

Fluke 27 Multimeter

11183-eng Rev. 02

## Completely sealed to prevent entry of water and contaminants

A special extra rugged case with o-rings prevents water from entering the input jacks and switches. Use this meter in very harsh, wet or dusty locations. Meets MIL STD 28800 military specifications for vibration, shock, and water resistance.

- 3200 Digital Display/Counts
- 31 Analog Bar Graph/Segments
- Fast Auto and Manual Ranging

- Touch Hold®
- Rugged, O-Ring Sealed Case
- Separate, Sealed Battery/Fuse Door
- Operates from -15°C to +55° and 95% Relative Humidity
- Meets Military Shock, Vibration and Water Resistance Requirements
- Min/Max Relative Mode
- Audible Continuity/Diode Test
- Superior EMI Shielding

### Specifications

Function	Range & Resolution	Best Accuracy
Voltage DC	320.0mV, 3.200V, 32.00V, 320.0V, 1000V	±(0.1% + 1)
Voltage AC	320.0mV, 3.200V, 32.00V, 320.0V, 1000V	±(0.5% + 3)
Current DC	320.0μA, 3.200 mA, 32.00 mA, 320.0 mA, 10A	±(0.75% + 2)
Current AC	320.0μA, 3.200 mA, 32.00 mA, 320.0 mA, 10A	±(1.5% + 2)
Resistance	320Ω, 3.200kΩ, 32.00kΩ, 320.0kΩ, 3.200MΩ, 32.00MΩ	±(0.2% + 1)
Conductance	32.00ns	±(2% + 10)

**Range & Resolution:** If selected range is 3.200V the resolution is 0.001V in that range  
**Battery Life:** Typically over 1000 hours (alkaline)  
**Size (HxWxD):** 203 mm x 95 mm x 56 mm  
**Weight:** 0.75 kg  
**Lifetime Warranty**