

Fluke

Fluke 77 IV Series Digital Multimeter

Accuracy and diagnostic functions for
maximum industrial productivity



Specifications

Voltage DC	Range: 6.000V - 1000V Best Accuracy: +/- (0.3% + 1) Best Resolution: 0.1 mV
Voltage AC	Range: 600.0 mV-1000V Best Accuracy: +/- (2.0% + 2) Best Resolution: 1.0 mV
Amps AC	Range: 60.00 mA – 10A Best Accuracy: +/- (1.5% + 2) Best Resolution: 0.01mA
Amps DC	Range: 60.00 mA – 10A Best Accuracy: +/- (2.5% + 2) Best Resolution: 0.01 mA
Resistance	Range: 600.0 Ω - 50 MΩ Best Accuracy: +/- (0.5% + 1) Best Resolution: 0.1Ω
Capacitance	Range: 1nF- 9,999 μF Best Accuracy: +/- (1.2% + 2) Best Resolution: 1 nF
Frequency	Range: 99.99Hz- 99.99kHz Best Accuracy: +/- (0.1% + 1) Best Resolution: 0.01Hz
Safety	ANSI/ISA S82.02.01, CSA C22.2-1010.1, IEC 61010 to 1000 V Measurement Category III, 600 V Measurement Category IV
Certifications	CSA, TÜV (EN61010), UL, Π, ; (N10140),VDE

General Specifications

Maximum voltage between any terminal and earth ground	1000V
Surge protection	8 kV peak per IEC 61010
Ω Fuse for mA inputs	440 mA, 1000 V FAST Fuse
Ω Fuse for A inputs	11 A, 1000 V FAST Fuse
Display	Digital: 6000 counts, updates 4/sec Bar Graph: 33 segments; Updates 32/sec Frequency: 10,000 counts Capacitance: 1,000 counts



General Specifications

Altitude	Operating: 2,000 meters Storage: 12,000 meters
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Temperature	Operating: -10 °C to +50 °C Storage: -40 °C to +60 °C
Temperature Coefficient	0.1 X (specified accuracy / °C (< 18 °C or > 28 °C))
Electromagnetic Compatibility (EN 61326-1:1997)	In an RF field of 3 V/M, accuracy = specified accuracy except in temperature: specified accuracy ± 5 °C (9 °F)
Relative Humidity (Maximum Non-condensing)	90 % to 35 °C 75 % to 40 °C 45 % to 50 °C
Battery Life	400 Hours Typical (Alkaline)
Size	Height: 4.3 cm Width: 9 cm Length: 18.5 cm
Weight	420 g

Features

- ◆ Large display
- ◆ Backlight for work in dim areas
- ◆ Min / Max to record signal fluctuations
- ◆ Ergonomic overmolded housing with integrated probe holders
- ◆ Free your hands with the optional TPAK magnetic hanger
- ◆ Auto and Manual ranging Meets Measurement Category 1000 V CAT III and Category IV 600 V safety standards

Contact your local Fluke representative for specific details, options, and prices.

Model Name Description

Fluke 77 IV Digital Multimeter for field service or bench repair
 * Manufacturers suggested U.S. list price. Applies to U.S. purchases only.
 Cases and Holsters
 TPAK ToolPak, Meter Hanging Kit
 i400 AC Current Clamp



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