

Electricians's Multimeter: Fluke 114 Electrical Multimeter

FLUKE®

Features

- AutoVolt: automatic ac/dc voltage selection
- Large white LED backlight to work in poorly lit areas
- Resistance and continuity
- Min/Max/Average to record signal fluctuations
- CAT III 600 V safety rated

Safety conformance

All inputs are protected to CE, IEN61010-1 CAT III 600V, UL, CSA, TÜV listed and VDE.

Size	167 x 84 x 46 mm (6.57" x 3.31" x 1.82")
Weight	550 g
Warranty	3 years



Specifications

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Maximum voltage between any terminal and earth ground	600 V
Surge protection	6 kV peak per IEC 61010-1 600 VCAT III, Pollution Degree 2
Display	Digital: 6,000 counts, updates 4 per second
Bar graph	33 segments, updates 32 per second
Operating Temperature	-10 °C to + 50 °C
Storage Temperature	-40 °C to + 60 °C
Battery type	9 volt Alkaline, NEDA 1604A/ IEC 6LR61
Battery Life	400 hours typical, without backlight

Accuracy Specifications	
DC millivolts	Range: 600.0 mV Resolution: 0.1 mV Accuracy: ± [(% of reading) + (counts)]: 0.5% + 2
DC volts	Range/Resolution: 6.000 V / 0.001 V Range/Resolution: 60.00 V / 0.01 V Range/Resolution: 600.00 V / 0.1 V Accuracy: ± [(% of reading) + (counts)]: 0.5% + 2
Auto volts	Range: 600.0 V Resolution: 0.1 V Accuracy: 2.0 % + 3 (dc, 45 Hz to 500 Hz)4.0 % + 3 (500 Hz to 1 kHz)
AC millivolts ¹ true-rms	Range: 600.0 mV Resolution: 0.1 mV Accuracy: 1.0 % + 3 (dc, 45 Hz to 500 Hz)2.0 % + 3 (500 Hz to 1 kHz)
AC volts ¹ true-rms	Range/Resolution: 6.000 V / 0.001 V Range/Resolution: 60.00 V / 0.01 V Range/Resolution: 600.0 V / 0.1 V Accuracy: 1.0 % + 3 (dc, 45 Hz to 500 Hz)2.0 % + 3 (500 Hz to 1 kHz)
Continuity	Range: 600 Ω Resolution: 1 Ω Accuracy: Beeper on < 20 Ω, off > 250 Ω; detects opens or shorts of 500
Ohms	Range/Resolution: 600.0 Ω / 0.1 Ω Range/Resolution: 6.000 kΩ / 0.001 kΩ Range/Resolution: 60.00 kΩ / 0.01 kΩ Range/Resolution: 600.0 kΩ / 0.1 kΩ Range/Resolution: 6.000 MΩ / 0.001 MΩ Accuracy: 0.9 % + 1 Range/Resolution: 40.00 MΩ / 0.01 MΩ Accuracy: 5 % + 2