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Fluke 114 Electrical Multimeter

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Fluke 114 True-rms Multimeter

FLUKE®

Compact true-rms meter for electrical troubleshooting



Yellow SECONDARY FUNCTION button toggles between mV ac and mV dc.

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Key features

- Ideal Digital Multimeter for “go/no-go” testing
- Features AutoVolt automatic AC/DC voltage selection
- Includes low input impedance to help prevent false readings due to ghost voltage
- Presents a large white LED backlight for working in poorly lit areas
- Measures resistance and continuity
- Provides Min/Max/Average with elapsed time to record signal fluctuations



Product overview: Fluke 114 Electrical Multimeter

Fluke 114 digital multimeter is the ideal choice for go/no-go testing

Designed for easy one-handed operation, the compact Fluke 114 True RMS digital multimeter is the perfect troubleshooting tool for go/no go testing. Its AutoVolt capability automatically switches to measure AC or DC voltage, whichever is present. And you can use the LoZ function to identify so-called ghost voltage and prevent false readings.

The Fluke 114 displays True-RMS voltage and current readings with 6000 count resolution, and tests frequency, continuity and resistance. A large white LED backlight aids work in poorly lit areas. And its easy-open battery access door makes battery changes easy.

A great choice for everyday troubleshooting, the Fluke 114 Electrical Multimeter is CAT III 600 V safety rated and is a compact True-RMS meter.

Fluke 114 multimeters are independently tested for safe use in CAT III 600V environments

Other useful features:

- Features a compact ergonomic design for one-handed operation
- Comes with an holster with probe holders for easy storage
- Features manual and automatic ranging
- Safety rates CAT III 600 V
- Fits into optional ToolPak™ magnetic hanger for hands-free operation

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What's in the box:

- Fluke 114 Digital Multimeter
- (1 pair) Test leads
- Holster
- Installed 9 V battery
- Quick reference guide

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Specifications: Fluke 114 Electrical Multimeter

Specifications		
Maximum voltage between any terminal and earth ground	600 V	
Safety	IEC 61010-1: Pollution Degree 2 IEC 61010-2-033: CAT III 600V	
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, IEC 6LR61	
Battery life	400 hours typical, without backlight	
Accuracy specifications		
DC millivolts	Range/resolution	600.0 mV / 0.1 mV
	Accuracy	± ([% of reading] + [counts]): 0.5% + 2
DC volts	Range/resolution	6.000 V / 0.001 V60.00 V / 0.01 V600.00 V / 0.1 V
	Accuracy	± ([% of reading] + [counts]): 0.5% + 2
Auto volts	Range/resolution	600.0 V / 0.1 V
	Accuracy	2.0% + 3 (DC, 45 Hz to 500 Hz) 4.0% + 3 (500 Hz to 1 kHz)

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AC millivolts ¹ True RMS	Range/resolution	600.0 mV / 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 V60.00 V / 0.01 V600.0 V / 0.1 V
	Accuracy	1.0% + 3 (DC, 45 Hz to 500 Hz) 2.0% + 3 (500 Hz to 1 kHz)
Continuity	Range/resolution	600 Ω / 1 Ω
	Accuracy	Beeper on < 20 Ω, off > 250 Ω detects opens or shorts of 500 μs or longer.
Ohms	Range/resolution	600.0 Ω / 0.1 Ω 6.000 kΩ / 0.001 kΩ 60.00 kΩ / 0.01 kΩ 600.0 kΩ / 0.1 kΩ 6.000 MΩ / 0.001 MΩ
	Accuracy	0.9% + 1
	Range/resolution	40.00 MΩ / 0.01 MΩ
	Accuracy	5% + 2

1. All ac voltage ranges except Auto-V/LoZ are specified from 1% to 100% of range. Auto-V/LoZ is specified from 0.0 V.
2. Temperature uncertainty (accuracy) does not include the error of the thermocouple probe.
2. Frequency is ac coupled, 5 Hz to 50 kHz for ac voltage. Frequency is dc coupled, 45 Hz to 5 kHz for ac current.
2. Temperature Range/Resolution: -40°F to 752°F / 0.2°F.

Mechanical & General Specifications		
Size	167 x 84 x 46 mm (6.57 x 3.31 x 1.82 in)	
Weight	550 g	
Warranty	See content specific to your location. 3 years	

Models: Fluke 114 Electrical Multimeter

Fluke 114

Fluke 114 Digital Multimeter

Includes:

- Holster
- Installed 9 V battery
- Test leads
- User manual

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