

TECHNICAL DATA

Fluke 106 Palm-sized, CAT III Digital Multimeter

**SIZE (H X W X L)****142 mm x 69 mm x 28mm****WARRANTY****2-year****FLUKE 106 COMPLETE TEST FUNCTIONS**

- Including AC and DC voltage measurement
- AC and DC current measurement
- Resistance measurement
- Capacitance measurement

Professional measurements in the palm of your hand

The Fluke 106 is a compact, easy-to-use multimeter made to fit the way you work. It is the perfect first-pass troubleshooting tool: small enough to fit in a shirt pocket or work bag, tough enough to withstand daily use, and extremely simple to use. All without compromising safety. For everyday applications, where true-rms accuracy isn't needed, the Fluke 106 delivers reliable measurements time after time.

Product highlights

- AC/DC voltage to 600 V
- AC/DC current to 10 A
- Resistance and Continuity to check for broken wires
- Data hold to keep you working safe and fast

Electrical specifications

Accuracy is specified for 1 year after calibration, at operating temperatures of 18 °C to 28 °C, relative humidity at 0 % to 75 %. Accuracy specifications take the form of: \pm ([% of Reading] + [Number of Least Significant Digits])

Function	Range	Resolution	Accuracy
AC volts (40 Hz to 500 Hz) ¹	6.000 V	0.001 V	1.0 % + 3
	60.00 V	0.01 V	
	600.0 V	0.1 V	
DC volts	6.000 V	0.001 V	0.5 % + 3
	60.00 V	0.01 V	
	600.0 V	0.1 V	
AC millivolts	600.0 mV	0.1 mV	3.0 % + 3
	400.0 Ω	0.1 Ω	
	4.000 kΩ	0.001 kΩ	
Resistance (ohms)	40.00 kΩ	0.01 kΩ	0.5 % + 2
	400.0 kΩ	0.1 kΩ	
	4.000 MΩ	0.001 MΩ	
Capacitance ²	40.00 MΩ	0.01 MΩ	0.5 % + 2
	50.00 nF	0.01 nF	
	500.0 nF	0.1 nF	
AC current (40 Hz to 200 Hz)	5.000 μF	0.001 μF	5 % + 5
	50.00 μF	0.01 μF	
	500.0 μF	0.1 μF	
DC current	1000 μF	1 μF	5 % + 5
	4.000 A	0.001 A	
	10.00 A	0.01 A	
DC current	4.000 A	0.001 A	1.5 % + 3
	10.00 A	0.01 A	

¹ All AC are specified from 1 % to 100 % of range. Inputs below 1 % of range are not specified.

² Specifications do not include errors due to test lead capacitance and capacitance floor (may be up to 1.5 nF in the 50 nF range).

Specifications continued

Electrical specifications				
Function	Overload protection	Input impedance (nominal)	Common mode rejection ratio	Normal mode rejection ratio
AC volts	600 V ¹	> 10 MΩ < 100 pF ²	> 60 dB at dc, 50 Hz or 60 Hz	—
AC millivolts	600 mV	>1M <100 pF	> 80 dB at 50 Hz or 60 Hz	—
DC volts	600 V ²	> 10 MΩ < 100 pF	> 100 dB at dc, 50 Hz or 60 Hz	> 45 dB at 50 Hz or 60 Hz

General specifications				
Maximum voltage between any terminal and earth ground	600 V			
Display (LCD)	6000 counts, updates 3/sec			
Battery type	2 AAA, IEC LR03			
Battery life	200 hours minimum			
Temperature	Operating: 0 °C to 40 °C Storage: -30 °C to 60 °C			
Relative humidity	Operating Humidity: Non-condensing when < 10°C ≤ 90 % at 10 °C to 30 °C; ≤ 75 % at 30 °C to 40 °C			
	Operating Humidity, 40 MΩ Range: ≤ 80 % at 10 °C to 30 °C; ≤ 70 % at 30 °C to 40 °C			
Altitude	Operating: 2000 m Storage: 12,000 m			
Temperature coefficient	0.1 X (specified accuracy)/°C (< 18 °C or > 28 °C)			
Fuse protection for current inputs	11 A, 1000 V Fast Fuse, Fluke specified part only			
Size (HxWxL)	142 mm x 69 mm x 28mm			
Weight	200 g			
IP rating	IEC 60529: IP 40			
Safety	IEC 61010-1: Pollution Degree 2 IEC 61010-2-033: CAT III 600V, 10 A			
Electromagnetic environment	IEC 61326-1: portable			
Electromagnetic compatibility	Applies to use the Korea only. Class A Equipment (Industrial broadcasting and communication equipment) ¹			
Warranty	Two years			

¹ This product meets requirements for industrial (Class A) electromagnetic wave equipment and seller or user should take notice of it. This equipment is intended for use in business environments and is not to be used in home.

Ordering information

FLUKE-106 Palm-sized, CAT III Digital Multimeter

Included equipment

TL75 Hard Point™ Test Lead Set
Two AAA Batteries (installed)

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