

TECHNICAL DATA

Fluke 106 Palm-sized Digital Multimeter



Key features

- AC and DC voltage measurement
- AC and DC current measurement
- Resistance measurement
- Capacitance measurement
- Compact 142 mm x 69 mm x 28mm size

Product overview: Fluke 106 Palm-sized Digital Multimeter

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.

Specifications: Fluke 106 Palm-sized Digital Multimeter

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])

Accuracy Specifications

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

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).

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	–
VAC Millivolts	600 mV	>1M <100 pF	>80 dB at 50 Hz or 60 Hz	–
DC Volts	600 V ¹	>10 MΩ <100 pF	>100 dB at dc, 50 Hz or 60 Hz	>45 dB at 50 Hz or 60 Hz

1. 6 x 105 V Hz Max

2. For mV (AC), input impedance is approximately 1 MΩ.

General Specifications

Maximum Voltage Between any Terminal and Earth Ground	600 V
Display (LCD)	6000 counts, updates 3/sec
Battery Type	2 AAA, NEDA 24A, IEC LR03
Battery Life	200 hours minimum

Temperature

Operating	0 °C to 40 °C
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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	11A, 1000V 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: 600 V CAT III, Pollution Degree 2
Electromagnetic Environment	IEC 61326-1: Portable
Electromagnetic Compatibility	Applies to use the Korea only. Class A Equipment (Industrial Broadcasting and Communication Equipment) ¹
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 homes.	

Ordering information



Fluke 106

Fluke 106 Palm-sized Digital Multimeter

Includes:

- Fluke 106 Palm-sized Digital Multimeter
- TI75 Hard Point Test Lead Set
- 2 AAA Batteries (Installed)
- User's Manual

Fluke. *Keeping your world up and running.®*

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