TECHNICAL DATA

Fluke 106 Palm-sized Digital Multimeter



Key features

- Voltage, resistance, continuity, capacitance
- Input terminal for ac and dc current measurements to 10 A and current
- Data hold

Product overview: Fluke 106 Palm-sized Digital Multimeter

The Fluke 106 digital multimeter is made to fit the way you work! It is designed to fit in the palm of your hand and go with you no matter where your job takes you.

Specifications: Fluke 106 Palm-sized Digital Multimeter

Accuracy is specified for 1 year after calibration, at operating temperatures of 18 u00b0C to 28 u00b0C, relative humidity at 0 % to 75 %. Accuracy specifications take the form of: u00b1([% of Reading] + [Number of Least Significant Digits])

Accuracy Specifications			
Function	**Range**	**Resolution**	**Accuracy**
AC Volts tt(40 Hz to 500Hz)[1]	6.000 V tt60.00 V tt600.0 V	0.001 V tt0.01 V tt0.1 V	1.0 % + 3

DC Volts	6.000 V tt60.00 V tt600.0 V	0.001 V tt0.01 V tt0.1 V	0.5 % + 3
AC Millivolts	600.0 mV	0.1 mV	3.0 % + 3
Resistance tt(Ohms)	400.0 u03a9 tt4.000 ku03a9 tt40.00 ku03a9 tt400.0 ku03a9 tt4.000 Mu03a9 tt40.00 Mu03a9	0.1 u03a9 tt0.001 ku03a9 tt0.01 ku03a9 tt0.1 ku03a9 tt0.001 Mu03a9 tt0.01 Mu03a9	0.5 % + 3 tt0.5 % + 2 tt0.5 % + 2 tt0.5 % + 2 tt0.5 % + 2 tt1.5% + 3
Capacitance[2]	50.00 nF tt500.0 nF tt5.000 u03bcF tt50.00 u03bcF tt500.0 u03bcF tt1000 u03bcF	0.01 nF tt0.1 nF tt0.001 u03bcF tt0.01 u03bcF tt0.1 u03bcF tt1 u03bcF	2 % + 5 tt2 % + 5 tt5 % + 5 tt5 % + 5 tt5 % + 5 tt5 % + 5
Frequency[3] Hz tt(10 Hz u2013 100 kHz)	50.00 Hz tt500.0 Hz tt5.000 kHz tt50.00 kHz tt100.0 kHz	0.01 Hz tt0.1 Hz tt0.001 kHz tt0.01 kHz tt0.1 kHz	NA
Duty Cycle[3]	1 % to 99 %	0.1 %	NA
AC Current tt(40 Hz to 200 Hz)	4.000 A tt10.00 A	0.001 A tt0.01 A	1.5 % + 3
DC Current	4.000 A tt10.00 A	0.001 A tt0.01 A	1.5 % + 3

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1. All AC, Hz, and duty cycle are specified from 1 % to 100 % of range. Inputs below 1 % of range are not specified.
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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).
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3. All AC, Hz, and duty cycle are specified from 1 % to 100 % of range. Inputs below 1 % of range are not specified.
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Function	**Overload Protection**	**Input Impedance (Nominal)**	**Common Mode Rejection Ratio**	**Normal Mode Rejection Ratio**
AC Volts	600 V [1]	>10 Mu03a9 <100 pF [2]	>60 dB at dc, tt50 Hz or 60 Hz	u2212
AC Millivolts	600 mV	>1M, <100 pF	>80 dB at 50 Hz or 60 Hz	u2212
DC Volts	600 V [1]	>10 Mu03a9 <100 pF	>100 dB at dc, tt50 Hz or 60 Hz	>60 dB at 50 Hz or 60 Hz

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1. 6 x 105 V Hz Max
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2. For mV (AC), input impedance is approximately 1 Mu03a9.
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General Specifications	
Maximum Voltage Between any Terminal and Earth Ground	600 V
Display (LCD)	6000 counts, updates 3/sec
Baery Type	2 AAA, NEDA 24A, IEC LR03
Baery Life	200 hours minimum
Temperature	
Operating	0 u00b0C to 40 u00b0C
Storage	-30 u00b0C to 60 u00b0C
Relative Humidity	
Operating Humidity	Non-condensing when <10u00b0C ttu226490 % at 10 u00b0C to 30 u00b0C; u226475 % at 30 u00b0C to 40 u00b0C
Operating Humidity, 40 Mu03a9 Range	u226480 % at 10 u00b0C to 30 u00b0C; u226470 % at 30 u00b0C to 40 u00b0C
Altitude	
Operating	2000 m
Storage	12,000 m
Temperature Coefficient	0.1 X (specified accuracy) /u00b0C (<18 u00b0C or >28 u00b0C)
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]

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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.
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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

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