

Fluke 179 Digital Multimeter

For maintenance and field service



The Fluke 179 True-rms Multimeter has the features needed to find most electrical and HVAC problems. Simple to use with significant improvements over the original Fluke 70 Series.

- Wide 1000 V measurement range
- True-rms for precise measurement of non-linear signals
- Capacitance, resistance, continuity and frequency
- Built-in thermometer (Fluke 179 only)
- Large, easy-to-read display
- Backlight for work in dimly lit areas (Fluke 177 and 179 only)
- Min/Max/Avg to record signal fluctuations
- Display hold and auto hold
- Manual and automatic ranging

Electrical safety

All inputs are protected to measurement CAT III 1000 V and CAT IV 600 V. This meter can withstand transient impulses in excess of 8000 V to help protect you from arc blasts resulting from surges and spikes.

Also available the 175 and 177 multimeters, see below for specifications.



Features

Features	179	177	175
Max voltage	1000	1000	1000
True-rms	•	•	•
Temperature	•	•	•
Basic dc accuracy	0.09 %	0.09 %	0.15 %
Backlight	•	•	•
Min/Max/Avg	•	•	•
ToolPak meter hanging kit with magnet	Opt	Opt	Opt
Limited lifetime warranty	•	•	•

Specifications

Functions	Range and resolution	Best accuracy
DC voltage	600.0 mV, 6.000 V, 60.00 V, 600.0 V, 1000 V	± 0.09 % (Models 177 and 179) ± 0.15 % (Model 175)
AC voltage ¹	600.0 mV, 6.000 V, 60.00 V, 600.0 V, 1000 V	± 1.0 % of reading
DC current	60.00 mA, 400.0 mA, 6.000 A, 10.00 A ²	± 1.0 % of reading
AC current ²	60.00 mA, 400.0 mA, 6.000 A, 10.00 A ²	± 1.5 % of reading
Resistance	600.0 Ω, 6.000 kΩ, 60.00 kΩ, 600.0 kΩ, 6.000 MΩ, 50.00 MΩ	± 0.9 % of reading
Capacitance	1000 nF, 10.00 μF, 100.0 μF, 9999 μF	± 1.2 % of reading
Frequency ³	99.99 Hz, 999.9 Hz, 9.999 kHz, 99.99 kHz	± 0.1 % of reading
Temperature (Model 179)	-40 °C to +400 °C (-40 °F to +752 °F)	1.0 % of reading

¹All ac voltage and ac current ranges are specified from 5 % of range to 100 % of range.

²10 A continuous, 20 A for up to 30 seconds.

³Voltage frequency is specified from 2 Hz to 100 kHz. Current frequency is specified from 2 Hz to 30 kHz.

Battery life: 200 hours typical for alkaline.

Size (HxWxL): 4.3 cm x 9.0 cm x 18.5 cm (1.7 in x 3.5 in x 7.3 in).

Ordering information

Included accessories	Models
Test leads, 9 V battery (installed) and manual. The Fluke 179 also includes a temperature probe.	FLUKE-179 Digital Multimeter
	FLUKE-175 Digital Multimeter
	FLUKE-177 Digital Multimeter
	FLUKE-179/1AC-II Electricians Combo Kit
	FLUKE-179/EDA2 Electronics Combo Kit

Recommended accessories



TPAK
Magnetic
Meter Hanger
See page 75



TL81A
Deluxe Electronic
Test Lead Set
See page 68



TL175
TwistGuard™ Test Leads
See page 70



i410
AC/DC Current Clamp
See page 74



CXT170
Extreme Hard Case
See page 67



C25
Meter Case
See page 67

Recommended kits



179/EDA2 Electronics Multimeter and Deluxe Accessory Combo Kit

- True-rms digital multimeter
- Electronic test probes
- SureGrip™ silicone test leads
- SureGrip™ heavy duty hook clips
- Type K temperature probe
- Meter hanging accessory
- Soft case



179/1AC-II Electrician's Multimeter and Voltage Tester Combo Kit

- True-rms digital multimeter
- Non-contact voltage detector
- Alligator clips
- SureGrip™ test probes
- Silicone test leads, 1.5 m
- Type K temperature probe
- Meter hanging accessory
- Soft case

Check price and availability at
www.fluke.com/wtb