

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 Hz, 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 comes with an additional 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 64



TL81A
Deluxe Electronic
Test Lead Set
See page 57



TL175
TwistGuard™ Test Leads
See page 59



i410
AC/DC Current Clamp
See page 62



CKT170
Extreme Hard Case
See page 56



C25
Meter Case
See page 56

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