

Fluke 170 Series Digital Multimeters

Troubleshooting tools for electrical and electronic systems



Fluke 179



Fluke 170 Series digital multimeters are the preferred solutions for professional technicians around the world. They include the features you need to troubleshoot and repair electrical and electronic systems, combined with Fluke's unparalleled reputation for ruggedness, reliability and accuracy.

- True RMS voltage and current measurements
- 0.09% basic accuracy (177, 179)
- 6000 count resolution
- Digital display with analog bargraph and backlight (177, 179)
- Manual and automatic ranging
- Display Hold and Auto Hold
- Frequency and capacitance measurements
- Resistance, continuity and diode measurements
- Temperature measurements (179)
- Min/max/average recording
- Smoothing mode allows filtering of rapidly changing inputs
- Easy battery exchange without opening the case
- Closed case calibration through front panel
- Ergonomic case with integrated protective holster
- IEC 61010-2-033 CAT III 1000V / CAT IV 600V
- Battery life: 200 hours typical for alkaline.
- Size: (H×W×L): 4.3 × 9.0 × 18.5 cm (1.69 × 3.54 × 7.28 in)
- Limited lifetime manufacturer's warranty



Fluke 177



Fluke 175

Electrical safety

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

Features	179	177	175
Max voltage AC/DC	1000	1000	1000
True-RMS	•	•	•
Temperature	•	–	–
Basic DC accuracy	0.09%	0.09%	0.15%
Backlight	•	•	–
Min/Max/Avg	•	•	•
Compatible with ToolPak™ meter hanging kit with magnet	•	•	•
Limited lifetime warranty	•	•	•

Functions	Range	Best accuracy
DC voltage	600.0 mV, 6.00 V, 60.00 V, 600.0 V, 1000 V	±0.09% (177 and 179) ±0.15% (175)
AC voltage ¹	600.0 mV, 6.00 V, 60.00 V, 600.0 V, 1000 V	±1.0% of reading
DC current	60.00 mA, 400.0 mA, 6.00 A, 10.00 A ²	±1.0% of reading
AC current ²	60.00 mA, 400.0 mA, 6.00 A, 10.00 A ²	±1.5% of reading
Resistance	600.0 Ω, 6.00 kΩ, 60.00 kΩ, 600.0 kΩ, 6.00 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, 9.99 kHz, 99.99 kHz	±0.1% of reading
Temperature (Model 179)	–40°C to 400°C (–4° F to 752° F)	1.0% of reading

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

² 10 A continuous, 20 A for up to 30 seconds.

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

Recommended Accessories



TPAK
Magnetic Meter Hanger

TL81A
Deluxe Electronic Test Lead Set



TL175
TwistGuard™ Test Leads

i410
AC/DC Current Clamp



AC220
SureGrip™ Alligator Clips

TP220
SureGrip™ Industrial Test Probes



C11XT
EVA Foam Hard Case



C37XT
EVA Foam Hard Case

Recommended Kits

Bundle & Save



Fluke 179/EDA2 Industrial Digital Multimeter Combo Kit

Included Accessories

Test Leads with 4 mm Lantern Tips, 9V Battery (installed) and User Manual, 80BK Temperature Probe (179 only).

Ordering Information

FLUKE-175 True RMS Digital Multimeter

FLUKE-177 True RMS Digital Multimeter

FLUKE-179 True RMS Digital Multimeter

FLUKE-179/EDA2 Electronics Combo Kit

FLUKE-179/IMSK Industrial Multimeter Service Kit

Digital Multimeters

