

# FLUKE®

## Move up to superior technology and safety.



Discover more than 12 major enhancements to the original Fluke 70 Series. The new 179 has features and diagnostic functions for faster, safer and more accurate testing. Features and functions like:

- True-rms ac voltage and current
- Larger, easier-to-read display
- 0.09 % basic accuracy
- Latest electrical safety standards

Compare your old 70 or 20 Series meter with the new Fluke 179 in the chart below. And discover what you've been missing.

**Discover why the new Fluke 179 Digital Multimeter is better than your old 70 Series.**

Feature	Old 77	New 179	Benefit
True-rms	No	Yes	Accurate on non-linear signals
Temperature	No	Yes	No need for a separate thermometer
Min / Max / Average	No	Yes	Capture intermittent problems
Display size	Small	20% larger	Large, easy to read
Display backlight	No	Yes	Usable in dim areas
Simple to use	Yes	Yes	No re-training required
Probe holders	Yes	Yes	One-hand operation
Measurement category safety rating	Not rated	CAT IV 600 CAT III 1000	Higher level of protection from arc and shock hazards
Optional magnetic hanger	No	Yes	Position meter in best location
Warranty	Expired	Limited lifetime	Rugged and reliable design backed up by lifetime warranty
Accuracy, basic dc	0.3%	0.09%	Three times more accurate
Frequency	No	Yes	Built in frequency counter
Capacitance	No	Yes	Measure motor capacitors and components
Max. ac voltage	750	1000	Wider measurement range
Battery door	No	Yes	Fast battery changes

# 170 Series Digital Multimeters



## Electrician's Multimeter and Voltage Tester Combo Kit\*

- Fluke 179 true-rms digital multimeter
- Fluke 1AC non-contact voltage tester
- TL224 SureGrip™ silicone test leads
- TP220 SureGrip™ industrial test probes
- AC220 SureGrip™ heavy duty alligator clips
- 80BK integrated temperature probe
- C800 durable carrying case
- Ordering information: Fluke-179/1AC KIT



## Electronics Multimeter and Deluxe Accessory Kit\*

- Fluke 179 true-rms digital multimeter
- TL224 SureGrip™ silicone test leads
- TL910 electronic test probes
- AC280 SureGrip™ heavy duty hooks clips
- 80BK integrated temperature probe
- C800 durable carrying case
- Ordering information: Fluke 179/EDA KIT

## Versatile meters for field service and bench repair

These meters have the features needed to find most electrical, electronic, electro-mechanical and heating and ventilation problems. They are simple to use and have significant improvements over Fluke's original 70 Series.

### Measures

- Wide 1000 V measurement range
- True-rms for precise measurement of non linear signals
- Resistance, continuity and frequency
- Capacitance for motor start caps and components
- Built in thermometer (179)

### Features

- Large, easy-to-read display
- Backlight for work in dim areas (177, 179)
- Min / Max to record signal fluctuations
- Integral holster with probe holders
- Free your hands with the optional TPAK magnetic hanger
- Auto and Manual ranging
- Meets measurement category 1000 V CAT III and 600 V CAT IV safety standards

## Specifications

Function	Range and resolution	Best accuracy
VDC	600.0 mV, 6.000 V, 60.00 V, 600.0 V, 1000 V	±0.09 % (Models 177 and 179) ±0.15 % (Model 175)
VAC <sup>1</sup>	600.0 mV, 6.000 V, 60.00 V, 600.0 V, 1000 V	±1.0 % of reading
ADC	60.00 mA, 400.0 mA, 6.000 A, 10.00 A <sup>2</sup>	±1.0 % of reading
AAC <sup>2</sup>	60.00 mA, 400.0 mA, 6.000 A, 10.00 A <sup>2</sup>	±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 <sup>3</sup>	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

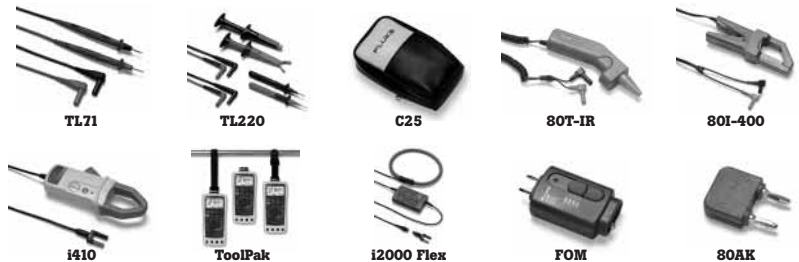
<sup>1</sup>All ac voltage and ac current ranges are specified from 5 % of range to 100 % of range.

<sup>2</sup>10 A continuous, 20 A for up to 30 seconds.

<sup>3</sup>Voltage 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:** (H x W x L): 4.3 cm x 9.0 cm x 18.5 cm  
**Limited lifetime warranty**

## Recommended accessories



## Accessories and Ordering Information

### Included accessories

Every Fluke 170 Series meter comes packaged with TL75 test leads, 9 V battery (installed), and manual. The Fluke 179 comes with a 80BK Temperature Probe.

### Ordering information

- Fluke-175 Digital Multimeter
- Fluke-177 Digital Multimeter with backlight
- Fluke-179 Digital Multimeter with backlight and temperature
- Fluke-179/1AC Electricians Combo Kit
- Fluke-179/EDA Electricians Combo Kit
- Fluke-179/TPK Digital Multimeter with magnetic hanger

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

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# Mouser Electronics

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