

Fluke 179

- 1000V AC/DC; 10A AC/DC (with test leads and current jacks); resistance to 50 M $\Omega$ ; capacitance to 10,000  $\mu$ F, frequency to 100 kHz; temperature from -40  $^{\circ}$ C to 400  $^{\circ}$ C - Robust, fast and accurate with manual and automatic ranging, Display Hold, Auto Hold, and Min/Max-Average recording - Backlit digital display, analog bar graph, and built-in temperature measurements with included thermocouple.

Rating: Not Rated Yet  
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Description

Product overview: Fluke 179 True-RMS Digital Multimeter

The Fluke 179 True-RMS DMM is the industry-standard troubleshooting tool for electrical and electronic systems.

- True-rms ac measurements
- Works in the messy, loud, high energy, and high altitude
- Input protection to CAT III 1000 V, CAT IV 600 V
- Lifetime warranty

Other useful features:

- Safety rated CAT III 1000 V, CAT IV 600 V
- Allows closed-case calibration through front panel
- Includes protective holster that serves as test lead holder during use, plus lead storage

Specifications: Fluke 179 True-RMS Digital Multimeter

|                |                             |                   |
|----------------|-----------------------------|-------------------|
| Specifications |                             |                   |
| Voltage DC     | <b>Accuracy<sup>1</sup></b> | $\pm(0.09\% + 2)$ |
|                | Max. resolution             | 0.1 mV            |
|                | Maximum                     | 1000 V            |
| Voltage AC     | <b>Accuracy<sup>1</sup></b> | $\pm(1.0\% + 3)$  |
|                | Max. resolution             | 0.1 mV            |
|                | Maximum                     | 1000 V            |
| Current DC     | <b>Accuracy<sup>1</sup></b> | $\pm(1.0\% + 3)$  |
|                | Max. resolution             | 0.01 mA           |
|                | Maximum                     | 10 A              |

|             |                             |               |
|-------------|-----------------------------|---------------|
| Current AC  | <b>Accuracy<sup>1</sup></b> | ±(1.5% + 3)   |
|             | Max. resolution             | 0.01 mA       |
| Resistance  | Maximum                     | 10 A          |
|             | <b>Accuracy<sup>1</sup></b> | ±(0.9% + 1)   |
| Capacitance | Max. resolution             | 0.1 ?         |
|             | Maximum                     | 50 M?         |
| Frequency   | <b>Accuracy<sup>1</sup></b> | ±(1.2% + 2)   |
|             | Max. resolution             | 1 nF          |
| Temperature | Maximum                     | 10,000 µF     |
|             | <b>Accuracy<sup>1</sup></b> | ±(0.1% + 1)   |
|             | Max. resolution             | 0.01 Hz       |
|             | Maximum                     | 100 kHz       |
|             | <b>Accuracy<sup>1</sup></b> | ±(1.0% + 10)  |
|             | Max. resolution             | 0.1°C         |
|             | Range                       | -40°C / 400°C |

1. Accuracies are best accuracies for each function

Environmental Specifications

|                                 |                        |
|---------------------------------|------------------------|
| Operating temperature           | -10°C to +50°C         |
| Storage temperature             | -30°C to +60°C         |
| Humidity (without condensation) | 0% – 90% (0°C – 35°C)  |
|                                 | 0% – 70% (35°C – 50°C) |

Safety Specifications

|                      |                                     |
|----------------------|-------------------------------------|
| Overvoltage category | EN 61010–1 to 1000 V CAT III        |
|                      | EN 61010–1 to 600 V CAT IV          |
| Agency approvals     | UL, CSA, TÜV listed and VDE Pending |

Agency approvals

Mechanical and General Specifications

|              |                                                |
|--------------|------------------------------------------------|
| Size         | 43 x 90 x 185 mm                               |
| Weight       | 420 g                                          |
| Warranty     | Lifetime                                       |
| Battery life | Alkaline ~200 hours typical, without backlight |