

The Fluke 170 Series Digital Multimeters

Brains and Brawn

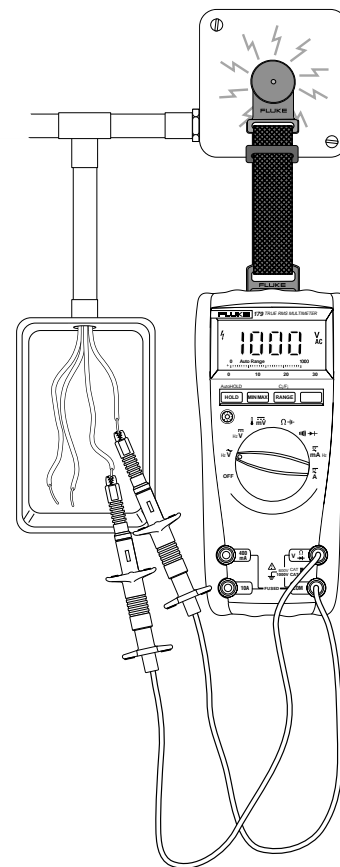
New



Tough. Precise. Packed with features:

- Lifetime warranty
- IEC 1010 CAT IV 600V safety rating
- 6000 count display
- True-rms ac voltage and current
- Min/Max/Average
- Frequency and capacitance capabilities
- Easy access battery door
- The 179 measures temperature in °C and °F

Hang meter using Fluke ToolPak™ Strap and Magnet



Get our ToolPak™ and free both hands to finish jobs faster and easier. You get a powerful magnet, a loop hanger and two straps—for hanging your meter from almost anything while you work.



| Features | 175 | 177 | 179 |
|--|-----|-----|-----|
| 6000 count display | • | • | • |
| Auto Hold and Manual Hold | • | • | • |
| IEC 1010 Rating: CAT IV 600V / CAT III 1000V | • | • | • |
| Backlight for measurements in low visibility environments | | • | • |
| Temperature measurements in °C and °F, Thermocouple included | | | • |
| Battery door provides battery access without breaking the calibration seal | • | • | • |
| Compatible with Fluke ToolPak™ meter hanging kit | • | • | • |

| | | Fluke 175 | Fluke 177 | Fluke 179 |
|-----------------------|---------------|--|--|--|
| \tilde{A} | Range | 0.01 mA to 10.00A (20A overload for 30 seconds) | 0.01 mA to 10.00A (20A overload for 30 seconds) | 0.01 mA to 10.00A (20A overload for 30 seconds) |
| | Accuracy | ± (1.5% of reading plus 3 counts) | ± (1.5% of reading plus 3 counts) | ± (1.5% of reading plus 3 counts) |
| | Crest Factor | ≤ 3 | ≤ 3 | ≤ 3 |
| | AC Response | 45 Hz to 1 kHz | 45 Hz to 1 kHz | 45 Hz to 1 kHz |
| \overline{A} | Range | 0.01 mA to 10.00A (20A overload for 30 seconds) | 0.01 mA to 10.00A (20A overload for 30 seconds) | 0.01 mA to 10.00A (20A overload for 30 seconds) |
| | Accuracy | ± (1.0% of reading plus 3 counts) | ± (1.0% of reading plus 3 counts) | ± (1.0% of reading plus 3 counts) |
| \tilde{V} | Range | 0.1 mV to 1000V | 0.1 mV to 1000V | 0.1 mV to 1000V |
| | Accuracy | 45 Hz to 500 Hz 1% of rdg + 3 counts 500 Hz to 1 kHz 2% of rdg + 3 counts | 45 Hz to 500 Hz 1% of rdg + 3 counts 500 Hz to 1 kHz 2% of rdg + 3 counts | 45 Hz to 500 Hz 1% of rdg + 3 counts 500 Hz to 1 kHz 2% of rdg + 3 counts |
| | AC Response | 45 Hz to 1 kHz | 45 Hz to 1 kHz | 45 Hz to 1 kHz |
| | | | | |
| \overline{V} | Range | 0.1 mV to 1000V | 0.1 mV to 1000V | 0.1 mV to 1000V |
| | Accuracy | ± (0.15% of reading plus 2 counts) | ± (0.09% of reading plus 2 counts) | ± (0.09% of reading plus 2 counts) |
| Ω | Range | 0.1Ω to 50.00 MΩ | 0.1Ω to 50.00 MΩ | 0.1Ω to 50.00 MΩ |
| | Best Accuracy | ± (0.9% of reading plus 1 count) | ± (0.9% of reading plus 1 count) | ± (0.9% of reading plus 1 count) |
| $\text{--} \text{--}$ | Range | 1 nF to 9999 μF | 1 nF to 9999 μF | 1 nF to 9999 μF |
| | Best Accuracy | ± (1.2% of reading plus 2 counts) | ± (1.2% of reading plus 2 counts) | ± (1.2% of reading plus 2 counts) |
| Continuity | | Beeper guaranteed on <25Ω, guaranteed off >250Ω; detects opens or shorts of 250 μs or longer | | |
| Hz | Range | Voltage Input: 2 Hz to 100 kHz Current Input: 2 Hz to 30 kHz | Voltage Input: 2 Hz to 100 kHz Current Input: 2 Hz to 30 kHz | Voltage Input: 2 Hz to 100 kHz Current Input: 2 Hz to 30 kHz |
| | Accuracy | ± (0.1% of reading plus 1 count) | ± (0.1% of reading plus 1 count) | ± (0.1% of reading plus 1 count) |
| Temp | Range | | | -40°C to +400°C, -40°F to +752°F |
| | Accuracy | | | °C 1% + 10, °F 1% + 18 |

| Available Fluke Accessories | 175, 177, 179 |
|-----------------------------|--|
| Meter Hanging | ToolPak magnet and strap kit |
| Cases | C510 leather meter case C50 padded meter case C20 hard meter case |
| Test Leads | All Fluke Test Leads |
| Current Clamp | All Fluke Current Clamp Accessories |
| Temperature | 80TK Thermocouple Module 80T-150U Univ. Temperature Probe 80AK Thermocouple Adapter (179 only) 80T-IR/80PK-IR Temperature Probe |
| Specialty | 80K-6, 80K-40 High Voltage Probe PV 350 Pressure Module FOM Fiber Optic Meter |

For detailed specifications contact your local Fluke representative, or visit www.fluke.com. Specifications are subject to change without notice.

Ordering Information

Fluke 175 Digital Multimeter
Fluke 177 Digital Multimeter
Fluke 179 Digital Multimeter

Need Technical Assistance? Call:

1-800-44-FLUKE

Toll-free in the U.S.

(800) 36-FLUKE in Canada

(425) 446-5500 other countries

For more information to be sent to you by fax, call 1-800-FLUKE-FAX in the U.S. and Canada. Or, visit our Website at <http://www.fluke.com>

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