

# 170 Series Digital Multimeters

## Versatile meters for field service or bench repair

These meters have the features needed to find most electrical, electro-mechanical and heating and ventilation problems. They are simple to use and have significant improvements over Fluke's original 70 Series like, True-RMS, more measurement functions, conformance to the latest safety standards, and a much larger display that's easier to view.



Fluke 179



Fluke 177



Fluke 175



On all inputs

LISTED



### Included Accessories

Test leads with 4 mm lantern tips and protective cap, installed 9V battery and users manual. The 179 also includes the 80BK temperature probe.

### Ordering Information

Fluke 175 True RMS Multimeter  
 Fluke 177 True RMS Multimeter  
 Fluke 179 True RMS Multimeter  
 Fluke 179/EDA2 Kit Electronics Combo Kit  
 Fluke 179/MAG2 Kit Industrial Combo Kit

## Features

|  | 175         | 177         | 179         |
|--|-------------|-------------|-------------|
| True-RMS measurements  | AC          | AC          | AC          |
| Digital display counts, updates 4 times per second               | 6000        | 6000        | 6000        |
| Display backlight  |             | ●           | ●           |
| Analog bargraph / segments, updates 40 times per second          | 33-segments | 33-segments | 33-segments |
| Auto and Manual ranging  | ●           | ●           | ●           |
| Display Hold and AutoHOLD*                                       | ●           | ●           | ●           |
| Min-Max-Average recording mode with Min/Max Alert                | ●           | ●           | ●           |
| Temperature readings (bead thermocouple probe included)          |             |             | ●           |
| Smoothing mode allows filtering of rapidly changing inputs       | ●           | ●           | ●           |
| Audible continuity and diode test                                | ●           | ●           | ●           |
| Test lead alert  | ●           | ●           | ●           |
| Unsafe voltage alert warns for voltages above 30V                | ●           | ●           | ●           |
| Low battery indication   | ●           | ●           | ●           |
| Ergonomic case with integrated holster                           | ●           | ●           | ●           |
| Easy battery and fuse exchange without opening the complete case | ●           | ●           | ●           |
| Selectable sleep mode preserves battery life                     | ●           | ●           | ●           |

## Specifications

(Check the Fluke web for detailed specifications)

| Functions   | Maximum      | Max. resolution | 175        | 177        | 179        |
|-------------|--------------|-----------------|------------|------------|------------|
| Voltage DC  | 1000V        | 0.1mV           | ±(0.15%+2) | ±(0.09%+2) | ±(0.09%+2) |
| Voltage AC  | 1000V        | 0.1mV           | ±(1.0%+3)  | ±(1.0%+3)  | ±(1.0%+3)  |
| Current DC  | 10A          | 0.01mA          | ±(1.0%+3)  | ±(1.0%+3)  | ±(1.0%+3)  |
| Current AC  | 10A          | 0.01mA          | ±(1.5%+3)  | ±(1.5%+3)  | ±(1.5%+3)  |
| Resistance  | 50MΩ         | 0.1Ω            | ±(0.9%+1)  | ±(0.9%+1)  | ±(0.9%+1)  |
| Capacitance | 10000µF      | 1nF             | ±(1.2%+2)  | ±(1.2%+2)  | ±(1.2%+2)  |
| Frequency   | 100kHz       | 0.01Hz          | ±(0.1%+1)  | ±(0.1%+1)  | ±(0.1%+1)  |
| Temperature | -40°C/+400°C | 0.1°C           |            |            | ±(1.0%+10) |

Accuracies are best accuracies for each function

**Battery Life:** Alkaline, 200 hrs typical  
**Size (HxWxD):** 190 mm x 85 mm x 45 mm

**Weight:** 0.42 kg  
**Lifetime Warranty**

## Recommended Accessories



i400



C90



TLK-220



SV225



i410-i1010