

# Fluke 170 Series Digital Multimeters

## Specifications

Voltage DC	175 - Accuracy* $\pm (0.15\%+2)$ 177 - Accuracy* $\pm (0.09\%+2)$ 179 - Accuracy* $\pm (0.09\%+2)$ Max. Resolution 0.1 mV Maximum 1000 V
Voltage AC	Accuracy* $\pm (1.0\%+3)$ Max. Resolution 0.1 mV Maximum 1000 V
Current DC	Accuracy* $\pm (1.0\%+3)$ Max. Resolution 0.01 mA Maximum 10 A
Current AC	Accuracy* $\pm (1.5\%+3)$ Max. Resolution 0.01 mA Maximum 10 A
Resistance	Accuracy* $\pm (0.9\%+1)$ Max. Resolution 0.1 $\Omega$ Maximum 50 M $\Omega$
Capacitance	Accuracy* $\pm (1.2\%+2)$ Max. Resolution 1 nF Maximum 10,000 $\mu$ F
Frequency	Accuracy* $\pm (0.1\%+1)$ Max. Resolution 0.01 Hz Maximum 100 kHz
Temperature	179 - Accuracy* $\pm (1.0\%+10)$ Max. Resolution 0.1 $^{\circ}$ C Range -40 $^{\circ}$ C/400 $^{\circ}$ C
Note	* Accuracies are best accuracies for each function

## Environmental Specifications

Operating Temperature	-10 $^{\circ}$ C to +50 $^{\circ}$ C
Storage Temperature	-30 $^{\circ}$ C to +60 $^{\circ}$ C
Humidity (Without Condensation)	0% - 90% (0 $^{\circ}$ C - 35 $^{\circ}$ C) 0% - 70% (35 $^{\circ}$ C - 50 $^{\circ}$ 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

## Mechanical & General Specifications

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