

# The Fluke 170 Series Digital Multimeters

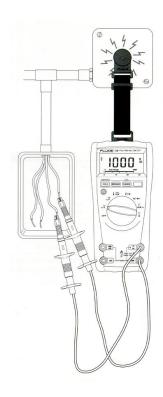
### **Brains and Brawn**



#### 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 optional ToolPak™ Strap and Magnet and free both hands for finishing 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	
	Range	0.01 mA to 10.00A	0.01 mA to 10.00A	0.01 mA to 10.00A	
AC Amps		(20A overload for 30	(20A overload for 30	20A overload for (30	
7.07	Accuracy	seconds) ± (1.5% of reading	seconds) ± (1.5% of reading	seconds) ± (1.5% of reading	
	Accuracy	plus 3 counts)	plus 3 counts)	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	
	Range	0.01 mA to 10.00A	0.01 mA to 10.00A	0.01 mA to 10.00A	
DC Amps	19	(20A overload for 30	(20A overload for 30	(20A overload for 30	
DO Allips	_	seconds)	seconds)	seconds)	
	Accuracy	± (1.0% of reading plus 3 counts)	± (1.0% of reading plus 3 counts)	± (1.0% of reading plus 3 counts)	
	Range	0.1 mV to 1000V	0.1 mV to 1000V	0.1 mV to 1000V	
	Accuracy	45 Hz to 500 Hz 1% of rda + 3 counts	45 Hz to 500 Hz 1% of rda + 3 counts	45 Hz to 500 Hz 1% of rdg + 3 counts	
Volts AC		500 Hz to 1 kHz	500 Hz to 1 kHz	500 Hz to 1 kHz	
		2% of rdg + 3 counts	2% of rdg + 3 counts	2% of rdg + 3 counts	
	AC Response	45 Hz to 1 kHz	45 Hz to 1 kHz	45 Hz to 1 kHz	
Volts DC	Range	0.1 mV to 1000V	0.1 mV to 1000V	0.1 mV to 1000V	
	Accuracy	± (0.15% of reading	± (0.09% of reading	± (0.09% of reading	
	7.000	plus 2 counts)	plus 2 counts)	plus 2 counts)	
Resistance	Range	$0.1\Omega$ to $50.00~\text{M}\Omega$	0.1Ω to 50.00 MΩ	0.1Ω to 50.00 MΩ	
	Best Accuracy	± (0.9% of reading	± (0.9% of reading	± (0.9% of reading	
		plus 1 count)	plus 1 count)	plus 1 count)	
Capacitance	Range	1 nF to 9999 μF	1 nF to 9999 μF	1 nF to 9999 μF	
	Best Accuracy	± (1.2% of reading	± (1.2% of reading	± (1.2% of reading	
	-	plus 2 counts)	plus 2 counts)	plus 2 counts)	
Continuity		Reeper guaranteed or	<250 guaranteed off >2	500	
		Beeper guaranteed on <25Ω, guaranteed off >250Ω; detects opens or shorts of 250 μs or longer			
	Range	Voltage Input:	Voltage Input:	Voltage Input:	
U=	Tange	2 Hz to 100 kHz	2 Hz to 100 kHz	2 Hz to 100 kHz	
Hz		Current Input:	Current Input:	Current Input:	
		2 Hz to 30 kHz	2 Hz to 30 kHz	2 Hz to 30 kHz	
	Accuracy	± (0.1% of reading	± (0.1% of reading	± (0.1% of reading	
<b>T</b>	- ·	plus 1 count)	plus 1 count)	plus 1 count) -40°C to +400°C.	
Temp	Range			-40°C to +400°C, -40°F to +752°F	
	Accuracy			°C 1% + 10,	
	Accuracy			°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	
	PV350 Pressure Module	
	FOM Fiber Optic Meter	

For detailed specifications contact your local Fluke representative, or visit <a href="www.fluke.com">www.fluke.com</a>. 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 <a href="http://www.fluke.com">http://www.fluke.com</a>