

## TECHNICAL DATA

# Fluke 179 TRMS Digital Multimeter with temperature readings



## Key features

The Fluke 179 TRMS multimeter is a full-featured, precision digital multimeter for troubleshooting and repair of electrical and electronic systems.

- Built-in thermometer to measure temperature without having to carry a separate instrument
- Accurate true-RMS AC current and voltage plus frequency, capacitance, resistance, continuity and diode measurements
- Increases productivity with manual and automatic ranging, Display Hold, Auto Hold, and Min/Max-average recording

## Product overview: Fluke 179 TRMS Digital Multimeter with temperature readings

### Fluke 179 TRMS Multimeter with temperature readings

This Digital Multimeter is the industry-standard troubleshooting tool for electrical and electronic systems

You can trust the rugged reliable Fluke 179 digital multimeter to get the job done in all of the messy, loud, high energy, and high altitude places you work. Whether you need a electrical multimeter for industrial troubleshooting or electrical and electronic system installation or maintenance, the Fluke 179 with its true-RMS capabilities can do the job. This electrical multimeter is independently tested for safe use in CAT III 1000 V, CAT IV 600 V environments and backed by a lifetime warranty.

The Fluke 170 Series of digital multimeters have the features needed to find most electrical, electro-mechanical, and heating and ventilation problems.

Other useful features:

- Safety rated CAT III 1000 V, CAT IV 600 V
- This fluke digital multimeter comes with a lifetime warranty
- Allows closed-case calibration through front panel
- Includes ergonomic case with integrated protective holster

Includes:

- 80BK Temperature Probe
- Installed 9V battery
- Test leads with 4mm lantern tips
- Users manual

## Specifications: Fluke 179 TRMS Digital Multimeter with temperature readings

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>	$\pm(1.5\% + 3)$
	Max. resolution	0.01 mA
	Maximum	10 A
Resistance	<b>Accuracy<sup>1</sup></b>	$\pm(0.9\% + 1)$
	Max. resolution	0.1 Ω
	Maximum	50 MΩ
Capacitance	<b>Accuracy<sup>1</sup></b>	$\pm(1.2\% + 2)$
	Max. resolution	1 nF
	Maximum	10,000 µF
Frequency	<b>Accuracy<sup>1</sup></b>	$\pm(0.1\% + 1)$
	<b>Max. resolution</b>	0.01 Hz
	Maximum	100 kHz

Temperature	<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

#### Mechanical and General Specifications

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

## Ordering information



### Fluke 179

Fluke 179 True RMS Digital Multimeter

Includes:

- 80BK Temperature Probe
- Installed 9V battery
- Test leads
- Users manual

### Optional accessories

#### Description

**Fluke TPAK ToolPak™ Magnetic Meter Hanger** Powerful magnetic strap for safe, hands free measurements.

**Fluke TL175 TwistGuard™ Test Leads**

Simply twist to change the exposed probe tip length.

**Fluke C25 Large Soft Case for DMMs**

Fits most mid-sized multimeters, process and temperature meters.

**Fluke AC220 SureGrip™ Alligator Clips**

SureGrip™ accessories are designed to improve steadiness in slippery hands.



**FLUKE.**

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