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Fluke 289 True-RMS Data Logging Multimeter

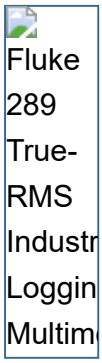
Model#: Fluke 289 Part#: 2675778 UPC#: 0 95969 35410 3

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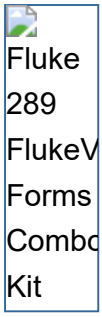


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289 Multimeter
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289 with Software
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289 with Software and Wireless Connectivity
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Key features

- Share results with your team using ShareLive™ video call (requires ir3000 FC wireless connector [sold separately] and no-cost Fluke Connect mobile app).
- TrendCapture graphically displays logged data session to quickly determine whether anomalies may have occurred.

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- Zoom on trend provides unprecedented ability to view and analyze TrendCapture data; zoom in up to 14 times.
- Selectable AC filter (smoothing mode) helps display a steadier reading when the input signal is changing rapidly or noisy.
- Low Pass filter for accurate voltage and frequency measurements at the same time on adjustable speed motor drives and other electrically noisy equipment.
- LoZ Volts. Low impedance voltage function for eliminating ghost voltages. Also recommended when testing for absence or presence of live power.
- Adjustable recording and auto hold thresholds, specify a percentage change in the readings that begins a new event.
- Large 50,000 count, 1/4 VGA dot matrix display with white backlight.
- Measure up to 10 A (20 A for 30 seconds).
- 100 mF capacitance range.

Read less

Product overview: Fluke 289 True-RMS Data Logging Multimeter

Fluke 289 True-RMS Logging Multimeter helps you find little problems before they become big ones

The Fluke 289 is the next generation high performance industrial logging multimeter. This Fluke Connect-compatible DMM is designed to solve complex problems in electronics, plant automation, power distribution, and electro-mechanical equipment. Let the 289 be your watchdog for systems or processes while you are off doing other jobs. It provides the ability to log data and graphically review up 10,000 recorded events and logged readings with on-board TrendCapture. Zoom on trend provides a 14x zoom to view and analyze data—without needing a PC.

Because the 289 is Fluke Connect-compatible you can set it up with the ir3000 FC wireless connector (sold separately) to communicate with your iOS and Android smart devices through the Fluke Connect mobile app and monitor readings from a remote location. Or you can share readings with your team in an instant anytime, from anywhere with ShareLive™ video call. It can help you solve problems faster and minimize downtime.

Other useful features:

- Provides up to a 14x zoom to view and analyze TrendCapture data in depth
- Includes a selectable AC filter (smoothing mode) to help display a steadier reading when the input signal is changing rapidly or noisy.
- Offers adjustable recording and auto hold thresholds to specify a percentage change in the readings that begins a new event
- Features a large 50,000 count, 1/4 VGA dot matrix display with white backlight

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- Stores up to 15,000 recorded events so you can save multiple logging sessions before PC download is necessary
- Provides two-terminal 50 ohm range with 1 milliohm resolution, 10 mA source current, for measuring and comparing differences in motor winding resistance or contact resistance
- Includes low pass filter for accurate voltage and frequency measurements at the same time on adjustable speed motor drives and other electrically noisy equipment.
- Provides LoZ Volts, a low impedance voltage function for eliminating ghost voltages Recommended when testing for absence or presence of live power
- Features on-board help screens for measurement functions
- Includes a real-time clock to automatically time stamp saved readings
- Offers relative mode to remove test lead resistance from low ohms or capacitance measurements
- Provides True-RMS AC voltage and current for accurate measurements on non-linear signals
- Measures up to 10 A (20 A for 30 seconds)
- Provides up to 100 mF capacitance range
- Records transients as fast as 250 µs with peak capture
- Includes premium test leads, alligator clips, and amp jack plugs
- Offers optional magnetic hanger for easy setup and viewing while freeing your hands for other tasks
- Works with optional FlukeView forms to enable you to document, store and analyze individual readings or a series of measurements, then convert them into professional-looking documents.
- Includes a limited lifetime warranty.

What's in the box:

- 289 True-RMS Industrial Logging Multimeter
- (1 pair) TL71 Test Leads
- AC175 Alligator Clips
- 6 AA batteries (installed)
- Quick reference guide

*Requires Fluke ir3000 FC Infrared Connector for Fluke Connect communication

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Specifications: Fluke 289 True-RMS Data Logging Multimeter

Specifications		
Function		
DC volts	Range / resolution	50.000 mV, 500.00 mV, 5.0000 V, 50.000 V, 500.00 V, 1000.0 V
	Basic accuracy	0.025%
AC volts	Range / resolution	50.000 mV, 500.00 mV, 5.0000 V, 50.000 V, 500.00 V, 1000.0 V
	Basic accuracy	0.4% (True-RMS)
DC current	Range / resolution	500.00 µA, 5000.0 µA, 50.000 mA, 400.00 mA, 5.0000 A, 10.000 A
	Basic accuracy	0.05%
AC current	Range / resolution	500.00 µA, 5000.0 µA, 50.000 mA, 400.00 mA, 5.0000 A, 10.000 A
	Basic accuracy	0.6% (True-RMS)
Temperature (excluding probe)	Range / resolution	-200.0°C to 1350.0°C (-328.0°F to 2462.0°F)
	Basic accuracy	1.0%
Resistance	Range / resolution	50.000 Ω, 500.00 Ω, 5.0000 kΩ, 50.000 kΩ, 500.00 kΩ, 5.0000 MΩ, 50.00 MΩ, 500.0 MΩ
	Basic accuracy	0.05%
Capacitance	Range / resolution	1.000 nF,10.00 nF 100.0 nF, 1.000 µF, 10.00 µF, 100.0 µF, 1000 µF, 10.00 mF, 100 mF
	Basic accuracy	1.0%
Frequency	Range / resolution	99.999 Hz, 999.99 Hz, 9.9999 kHz, 99.999 kHz, 999.99 kHz
	Basic accuracy	0.005%
Connectivity	Optional infrared connector via Flu[illegible]3000 FC	

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General Specifications		
Maximum voltage between any terminal and earth ground	1000 V	
Battery type	6 AA alkaline batteries, IECLR6	
Battery life	100 hours minimum, 200 hours in logging mode	
Temperature	Operating	-20°C to 55°C
	Storage	-40°C to 60°C
Relative humidity	0 to 90% (0 to 37°C), 0 to 65% (37°C to 45°C), 0 to 45% (45°C to 55°C)	
Electromagnetic compatibility	EMC EN61326–1	
Vibration	Random vibration per MIL-PRF-28800F Class 2	
Shock	1 meter drop per IEC/EN 61010–1 3rd Edition	
Size (H x W x L)	22.2 x 10.2 x 6 cm (8.75 x 4.03 x 2.38 in)	
Weight	870.9 g (28 oz)	
Multiple on screen displays	Yes	
True-RMS AC bandwidth	100 kHz	
dBV/dBm	Yes	
DC mV resolution	1 µV	
Megohm range	Up to 500 MΩ	
Conductance	50.00 nS	
Continuity beeper	Yes	
Battery/fuse access	Yes/Yes	
Elapse time clock	Yes	
Time of day clock	Yes	
Min-max-avg	Yes	
Duty cycle	Yes	
Pulse width	Yes	
Isolated optical interface	Yes	
Auto/touch hold	Yes	
Reading memory	Yes	

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Log to PC	Yes
Interval/event logging	Yes
Logging memory	Up to 15,000 readings
Wireless connectivity (optional)	Yes

Models: Fluke 289 True-RMS Data Logging Multimeter

Fluke 289

Fluke 289 True-RMS Industrial Logging Multimeter

Part#: 2675778
UPC#: 0 95969 35410 3

Includes:

- 289 True-RMS Industrial Logging Multimeter
- TL71 Test Leads
- AC175 Alligator Clips
- Batteries – 6 AA Installed

Requires Fluke ir3000 FC Infrared Connector for Fluke Connect communication

Fluke 289 CAL

Fluke 289 True-RMS Data Logging Multimeter, with a traceable certificate of calibration with data from Fluke

Part#: 5160463
UPC#: 0 95969 94672 8

Includes:

- 289 True-RMS Industrial Logging Multimeter
- TL71 Test Leads
- AC175 Alligator Clips
- Batteries – 6 AA Installed
- A traceable certificate of calibration with data from Fluke

Requires Fluke ir3000 FC Infrared Connector for Fluke Connect communication

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