Fluke 287 and 289 Digital Multimeters

Our most advanced logging multimeters can save you valuable time

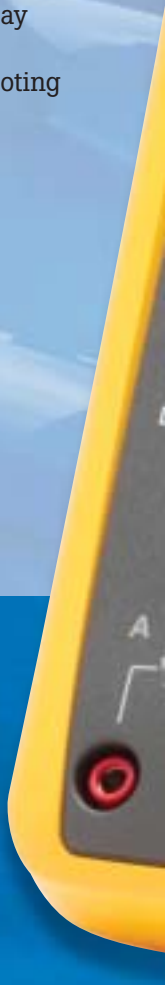
Find little problems before they become big ones

The Fluke 287 and 289 are the ultimate handheld tools.

The Fluke 289 is the ideal meter for demanding industrial settings with troubleshooting features, resolution and accuracy. Use it to help solve problems on motor drives, in plant automation, power distribution and electro-mechanical equipment.
The Fluke 287 & 289 quickly documents design performance and shows you graphically what has happened. Both models include an easy-to-use Trending Display allowing interval and event data on the meter to be shown without downloading it to a PC.

- **Large 50,000 count, 1/4 VGA** display with white backlight for fast, accurate viewing of measurements
- **Logging Function with TrendCapture** plots measurements as a single line to help detect anomalies over time, storing up to 10,000 readings. Using on-board TrendCapture, you can graphically view logged readings on the meter
- **"i" button** Unsure about a measurement function? Select it, then press the "i" button for instant access to onboard help screens
- **Log multiple sessions or log data continuously for over 200 hours**
- **LoZ** low input impedance prevents false readings due to "ghost voltage." It is also the recommended mode when testing for absence or presence of live power (289 only)
- **Low Pass filter** helps you make accurate voltage and frequency measurements on adjustable speed motor drives and other electrically noisy equipment (289 only)
- **50 Ohm Range** useful for measuring and comparing differences in motor winding resistance, low ohm measurements, or other contact resistance (289 only)
- **Soft keys and scroll buttons for easy navigation control,** access to secondary functions
- **Field upgradeable** and expandable meter lets you stay current as new capabilities are added
- **Events and trends recording** helpful for trouble shooting intermittent problems or profiling loads

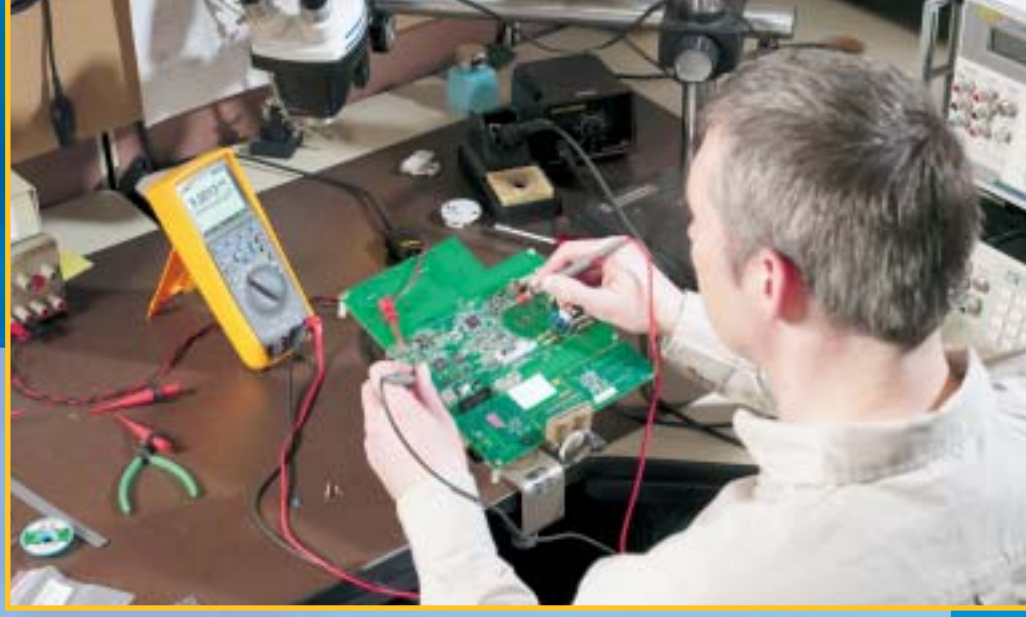
Transfer data to PC using optional cable and FlukeView Forms Software



Lifetime Warranty!

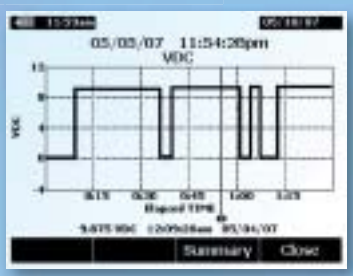
LISTED

NEW!

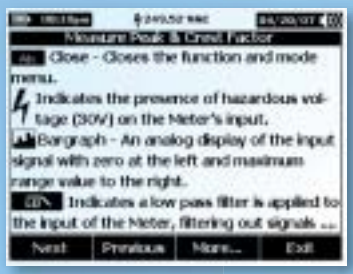


- ***"Softkey" interface*** *dramatically enhances ease of use*
- ***Simple user defined inteface*** *to save, name, and recall measurements*

- ***FlukeView Forms*** *software compatible with built-in IR Port*
- ***"i" button*** *"i" button provides instant on-screen help*



TrendCapture displays V dc logged date



"i" button provides instant on-screen help

0.025 % basic dc accuracy allows you to measure with confidence

Specifications

Function	Range & Resolution	Basic Accuracy
DC Volts	50.000 mV, 500.00 mV, 5.0000 V, 50.000 V,	0.025 %
AC Volts	500.00 V, 1000.0 V	0.4 % (true-rms)
DC Current	500.00 µA, 5000.0 µA, 50.000 mA, 400.00 mA,	0.15 %
AC Current	5.0000 A, 10.000 A	0.7 % (true-rms)
Temperature (excluding probe)	-200.0 °C to 1350.0 °C (-328.0 °F to 2462.0 °F)	1,0 %
Resistance	50.000 Ω (289 only), 500.00 Ω, 5.0000 kΩ, 50.000 kΩ, 500.00 kΩ, 5.0000 MΩ, 50.00 MΩ, 500.0 MΩ	0.05 %
Capacitance	1.000 nF, 10.00 nF, 100.0 nF, 1.000 µF, 10.00 µF, 100.0 µF, 1000 µF, 10.00 mF, 100.0 mF	1.0 %
Frequency	99.999 Hz, 999.99 Hz, 9.9999 kHz, 99.999 kHz, 999.99 kHz	0.005 %

For more detailed specifications go to www.fluke.eu

Models	Fluke 287	Fluke 289
Bandwidth: 100 kHz	•	•
Voltage: 1000 V (0.001 mV to 1000.0 V)	•	•
Current: 10 A (0.01 µA to 10.000 A)	•	•
Resistance: 500 MΩ (0.01 Ω to 500.0 MΩ)	•	•
Continuity/Diode	•	•
Conductance: 0.01 nS to 50.00 nS (20 MΩ to 100 GΩ)	•	•
Capacitance: 1 pF to 100mF (0.001 nF to 100.0 mF)	•	•
Frequency 1 MHz (0.001 Hz to 999.99kHz)	•	•
Min/Max/Average, Hold, Auto and Manual Range	•	•
Temperature: -200.0 °C to +1350.0 °C (Display °C or °F)	•	•
(dBm), Selectable References or (dBV)	•	•
Peak/Crest Factor 250 µs Peak Min or Max (From 1.0 to 4.0)	•	•
Duty Cycle: 1 % to 99 %	•	•
Low Pass Filter	N/A	•
Resistance Low Ohm: (0.001 Ω to 50.000 Ω 10 mA source)	N/A	•
LoZ	N/A	•

Ordering information

- Fluke 289 True-rms Industrial Logging Multimeter with TrendCapture
- Fluke 287 True-rms Electronics Logging Multimeter with TrendCapture
- Fluke 289/FVF Logging Multimeter Combo Kit

Recommended Accessories

A wide array of accessories are available to help you maximize the productivity of the Fluke 289 and Fluke 287 but the following are essential for most users.

TLK289 Industrial Test Lead Kit

TLK287 Electronic Test Lead Kit

FlukeView® Forms Software and Cable

TPAK
Magnetic Hanger

C781
Soft Meter Case

i400
Current Clamp

New! Fluke 289 FlukeView® Forms Combo Kit

Maximize productivity with the combined Fluke 289 and FlukeView Forms Software Combo Kit. With built in data logging and TrendCapture capability, the Fluke 289 helps you track down elusive, intermittent problems by monitoring equipment with any of its functions while you do other jobs. Overlay your logged data from six meters or six time periods to find cause and effect relationships or for condition monitoring applications in FVF software. Turn your data into meaningful graphs and tables for a professional report.
The Fluke 289/FVF combo kit gives you a practical and affordable approach to predictive maintenance. and much more.

Fluke. *Keeping your world up and running.®*

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