Trendsetter

Our most advanced DMM for the most demanding professionals

Advanced.
Precise.
Accurate.
Logging DMM with Trending.
New!
Fluke 287 and
289 Multimeters—
Fluke’s most
advanced DMMs.

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 electromechanical equipment. The Fluke 287 quickly documents design performance and shows you graphically what 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** Ensure about a measurement function? Select it, then press the
“i” button for instant access to on-board 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

**Specifications:**

- **Function Range & Resolution**
  - DC Volts: 50.000 mV, 500.00 mV, 5.0000 V, 50.000 V
  - AC Volts: 500.00 V, 1000.0 V (true-rms)
  - DC Current: 500.00 µA, 5000.0 µA, 50.000 mA, 400.00 mA
  - AC Current: 5.0000 A, 10.000 A (true-rms)
  - Temperature: -200.0 °C to 1350.0 °C (-328.0 °F to 2462.0 °F)
  - Resistance: 50.000 Ω (289 only), 500.00 Ω, 5.0000 kΩ, 50.000 kΩ
  - Capacitance: 500.00 µF, 1.0000 µF, 1.0000 µF, 1.000 MF
  - Frequency: 99.999 Hz, 999.99 Hz, 9999.9 kHz, 99999 kHz

- **Basic Accuracy:**
  - DC Volts: 0.025 % (289 only)
  - AC Volts: 0.4 % (true-rms)
  - DC Current: 0.15 % (true-rms)
  - AC Current: 0.7 % (true-rms)
  - Temperature: 1.0 %
  - Resistance: 0.05 %
  - Capacitance: 1.0 %
  - Frequency: 0.005 %

For more detailed specifications go to www.fluke.com/289
Models

<table>
<thead>
<tr>
<th>Fluke 287</th>
<th>Fluke 289</th>
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<tbody>
<tr>
<td>Bandwidth: 100 kHz</td>
<td>•</td>
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<tr>
<td>Voltage: 1000 V (0.01 mV to 1000.0 V)</td>
<td>•</td>
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<tr>
<td>Current: 10 A (0.01 A to 10 A)</td>
<td>•</td>
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<tr>
<td>Resistance: 500 MΩ (0.01 Ω to 500 MΩ)</td>
<td>•</td>
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<tr>
<td>Continuity/Diode</td>
<td>•</td>
</tr>
<tr>
<td>Conductance: 0.01 nS to 50.00 nS (20 MΩ to 100 GΩ)</td>
<td>•</td>
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<tr>
<td>Capacitance: 1 pF to 100mF (0.001 nF to 100.00mF)</td>
<td>•</td>
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<tr>
<td>Frequency: 1 MHz (0.1 Hz to 999.99kHz)</td>
<td>•</td>
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<tr>
<td>Min/Max/Average, Hold, Auto and Manual Range</td>
<td>•</td>
</tr>
<tr>
<td>Temperature: -200 °C to +1350 °C (Display °C or °F)</td>
<td>•</td>
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<tr>
<td>(dBm), Selectable References or (dBV)</td>
<td>•</td>
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<tr>
<td>Peak/Crest Factor 250 μs Peak Min or Max (From 1.0 to 4.0)</td>
<td>•</td>
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<tr>
<td>Duty Cycle: 1 % to 99 %</td>
<td>•</td>
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<tr>
<td>Low Pass Filter</td>
<td>N/A</td>
</tr>
<tr>
<td>Resistance Low Ohm: (0.001 Ω to 50.000 Ω 10 mA source)</td>
<td>N/A</td>
</tr>
<tr>
<td>Lo Z</td>
<td>N/A</td>
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</tbody>
</table>

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

FlukeView® Forms Software and Cable  TLK289 Electronic Test Lead Kit  TLK287 Electronic Test Lead Kit

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, 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.

Fluke. Keeping your world up and running.