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Data Sheet

August 14, 2026

FLUKE

Fluke 287 CAL True-RMS Electronics Logging Multimeter with TrendCapture

Fluke Laboratory Measurement Instruments. Voltage: 0–1000 V, Voltage: 0–1000 V True-RMS, Current: 0–10 A.



MODEL

Fluke 287 CAL

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

287 CAL

LISTING

<https://aumictechlabs.com/products/287-cal-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Fluke 287 CAL is a True-RMS digital multimeter engineered for electronics troubleshooting, maintenance, and design verification in field and lab environments. It combines high-precision DC/AC voltage and current measurements with integrated data logging and graphical trend analysis. The CAL designation confirms factory calibration and documented accuracy upon delivery. TrendCapture technology instantly visualizes logged data to expose anomalies and performance drift without requiring PC downloads or post-analysis. Technical Specifications Voltage & Current Measurements DC Voltage: 0–1000 V, 0.025% basic accuracy AC Voltage: 0–1000 V True-RMS, 0.4% basic accuracy, 100 kHz bandwidth DC Current: 0–10 A, 0.05% basic accuracy AC Current: 0–10 A True-RMS, 0.6% basic accuracy; 20 A for 30 seconds Extended Function Set Resistance: 0–500 MΩ Capacitance: 0–100 mF Frequency measurement Temperature measurement Conductance: 50.00 nS dBV/dBm measurement Duty cycle and pulse

width analysis Diode testing and continuity beeper Logging & Trend Analysis TrendCapture graphically displays logged data in real time. The multimeter stores up to 15,000 recorded events across 180 hours of logging memory. Auto-hold thresholds trigger new events based on specified percentage changes in readings. 14x digital zoom enables detailed inspection of trend data. Multiple logging sessions operate independently without requiring data downloads to a PC. Display & Interface 1/4 VGA display with 50,000 counts resolution and white backlight. Simultaneous measurement display supports multiple data streams on-screen. Peak capture records transients as fast as 250 μ s. Selectable AC filtering reduces noise on rapidly changing signals. Field measurements can be named and recalled. Multi-lingual interface supported. Key Features 250 μ s transient capture for spike and surge detection 180-hour unattended logging without external power draw On-board help screens for rapid function reference High-resolution display: 50,000 counts Typical Applications Electronics maintenance and failure diagnosis; design verification under real-world load conditions; signal monitoring during equipment commissioning; transient and anomaly detection in power distribution systems. Compatibility & Integration Powered by six AA alkaline batteries with 200 hours minimum logging runtime. Operating temperature range: -20 °C to 55 °C; storage: -40 °C to 60 °C. Relative humidity: 0–90% (0–37 °C); 0–65% (37–55 °C).

287CAL Characteristics / Specifications

PARAMETER	VALUE
Display Counts Class	50000
DC Voltage Ranges	50.000 mV to 1000.0 V
DC Voltage Basic Accuracy	0.025 percent
DC mV Resolution	1 μ V
AC Voltage Ranges	50.000 mV to 1000.0 V
AC Voltage Basic Accuracy	0.4 percent True-RMS
True RMS AC Bandwidth	100 kHz
DC Current Ranges	500.00 μ A to 10.000 A
DC Current Basic Accuracy	0.05 percent
AC Current Ranges	500.00 μ A to 10.000 A
AC Current Basic Accuracy	0.6 percent True-RMS
Resistance Ranges	50.000 ohm to 500.0 MOhm
Resistance Basic Accuracy	0.05 percent
Capacitance Ranges	1.000 nF to 100 mF
Capacitance Basic Accuracy	1.0 percent
Frequency Ranges	99.999 Hz to 999.99 kHz
Frequency Basic Accuracy	0.005 percent
Temperature Range Excluding Probe	minus 200.0 C to 1350.0 C
Temperature Basic Accuracy	1.0 percent
Conductance	50.00 nS
Logging Memory Class	up to 10000 to 15000 readings depending on brochure revision
Battery Type	6 AA alkaline
Battery Life Minimum	100 hours
Maximum Voltage To Earth	1000 V
Operating Temperature	minus 20 C to 55 C

PARAMETER	VALUE
Size Class HxWxL	22.2 × 10.2 × 6 cm class
Weight Class	about 870 g
Bandwidth	100 kHz

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	minus 20 C to 55 C
Operating Temperature	minus 20 C to 55 C
Size Class HxWxL	22.2 × 10.2 × 6 cm class
Weight Class	about 870 g Notes Alias of fluke-287. Shared 280-series numeric table from Fluke 287/289 datasheets for CAL documentation workflows.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
Specifications	
PARAMETER	VALUE
Display Counts Class	50000
DC Voltage Ranges	50.000 mV to 1000.0 V
DC Voltage Basic Accuracy	0.025 percent
DC mV Resolution	1 uV
AC Voltage Ranges	50.000 mV to 1000.0 V
AC Voltage Basic Accuracy	0.4 percent True-RMS
True RMS AC Bandwidth	100 kHz
DC Current Ranges	500.00 uA to 10.000 A
DC Current Basic Accuracy	0.05 percent
AC Current Ranges	500.00 uA to 10.000 A
AC Current Basic Accuracy	0.6 percent True-RMS
Resistance Ranges	50.000 ohm to 500.0 MOhm
Resistance Basic Accuracy	0.05 percent
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Notes
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Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.