

TECHNICAL DATA

Fluke 287 True-rms Electronics Logging Multimeter with TrendCapture

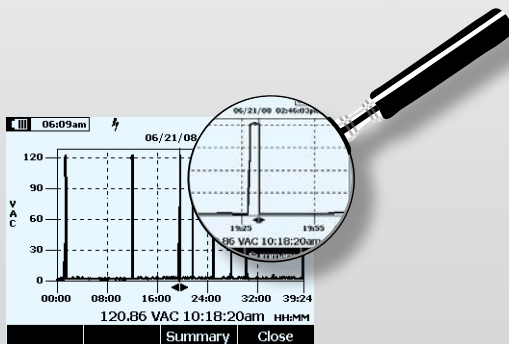


The best just got better

The Fluke 287 True-rms Electronics Logging Multimeter with TrendCapture quickly documents design performance and graphically displays what happened. Its unique logging and graphing capabilities mean you no longer need to download logged readings to a PC to detect a trend. The Fluke 287 packs more accuracy and convenience into a handheld multimeter than ever before.

Features

- TrendCapture quickly graphically displays logged data session to quickly determine whether anomalies may have occurred
- 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
- 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 display with white backlight. Multiple sets of measurement information can be simultaneously displayed at the same time.
- Logging function with expanded memory for unattended monitoring of signals over time. Using on-board TrendCapture users can graphically review logged readings without needing a PC. Store up to 15,000 recorded events.
- **i** button. On board help screens for measurement functions
- Saved measurements allow you to name and recall measurements made in the field
- Multi-lingual interface
- Multiple logging sessions possible without download
- 0.025 % basic dc accuracy
- 100 kHz ac bandwidth
- Real time clock for automatic time stamping of saved readings
- True-rms ac voltage and current for accurate measurements on complex signals or non linear loads. AC bandwidth specified to 100 kHz.
- Measure up to 10 A (20 A for 30 seconds)
- 100 mF capacitance range
- Temperature function
- Relative mode to remove test lead resistance from low ohms or capacitance measurements
- Peak capture to record transients as fast as 250 μs
- Premium test leads and alligator clips included
- Optional FlukeView forms enables you to document, store and analyze individual readings or a series of measurements, then convert them into professional-looking documents
- Optional magnetic hanger allows you to hang the meter for easy viewing while freeing your hands to focus on the job
- Limited lifetime warranty



TrendCapture displays vDC logged date.

EQUIPPED WITH NEW FUNCTIONALITY

Compatible with Fluke Connect mobile app and all Fluke FC enabled test tools with optional ir3000 FC infrared connector (sold separately).

TALK WITH YOUR TEAM

Let your team see what you see in an instant with ShareLive™ video call (requires Fluke Connect mobile app and ir3000 FC wireless connector).

Specifications

Function	Range and Resolution	Basic Accuracy
DC volts AC volts	50.000 mV, 500.00 mV, 5.0000 V, 50.000 V, 500.00 V, 1000.0 V	0.025 % 0.4 % (true-rms)
DC current AC current	500.00 μ A, 5000.0 μ A, 50.000 mA, 400.00 mA, 5.0000 A, 10.000 A	0.15 % 0.7 % (true-rms)
Temperature (excluding probe)	-200.0 °C to 1350.0 °C (-328.0 °F to 2462.0 °F)	1.0 %
Resistance	500.00 Ω , 5.0000 k Ω , 50.000 k Ω , 500.00 k Ω , 5.0000 M Ω , 50.00 M Ω , 500.0 M Ω	0.05 %
Capacitance	1.000 nF, 10.00 nF, 100.0 nF, 1.000 μ F, 10.00 μ F, 100.0 μ F, 1000 μ F, 10.00 mF, 100 mF	1.0 %
Frequency	99.999 Hz, 999.99 Hz, 9.9999 kHz, 99.999 kHz, 999.99 kHz	0.005 %
Additional functions/features		
Multiple on screen displays		Yes
True-rms ac bandwidth		100 kHz
dBV/dBm		Yes
DC mV resolution		1 μ V
Megohm range		up to 500 M
Conductance		50.00 nS
Continuity beeper		Yes
Battery/fuse access		Battery/fuse
Elapse time clock		Yes
Time of day clock		Yes
Min-max-avg		Yes
Peak		250 μ S
Duty cycle		0.01 % to 99.99 %
Pulse width		0.025 ms, 0.25 ms, 2.5 ms, 1250.0 ms
Hold		Yes
Isolated optical interface		Yes
Auto/touch hold		Yes
Reading memory		Yes
Log to PC		Yes
Interval/event logging		Yes
Logging memory		up to 10,000 readings
General specifications		
Maximum voltage (between any terminal and earth ground)		1000 V
Battery type		6 AA alkaline batteries, IEC LR6
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		IEC 61326-1: Portable
Safety		IEC 61010-1 Pollution degree 2 IEC 61010-2-033: CAT IV 600 V, CAT III 1000 V
Size (HxWxL)		22.2 cm x 10.2 cm x 6 cm (8.75 in x 4.03 in x 2.38 in)
Weight		870.9 g (28 oz)

Ordering information

287 True-rms Electronics Logging Multimeter with TrendCapture

Optional accessories

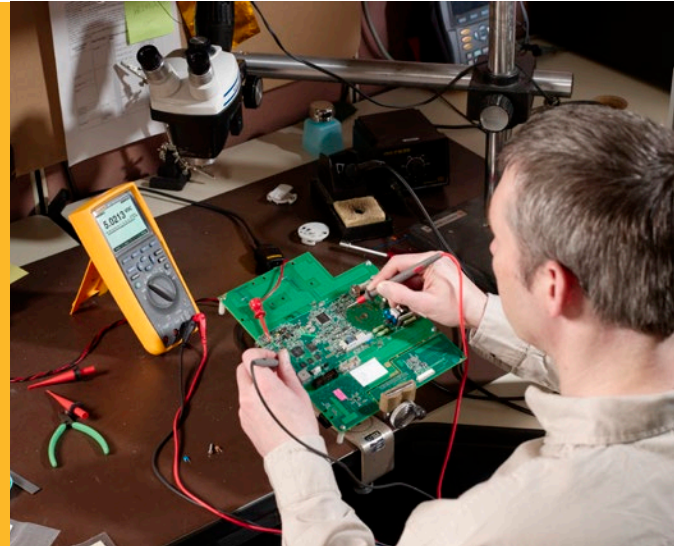
FVF-SC2 FlukeView™ Forms Software with Cable

80BK Integrated DMM Temperature Probe

TLK287 Electronic Test Lead Set

TPAK Magnetic Hanging Kit

C280 Soft Case



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

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Specifications subject to change without notice.

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