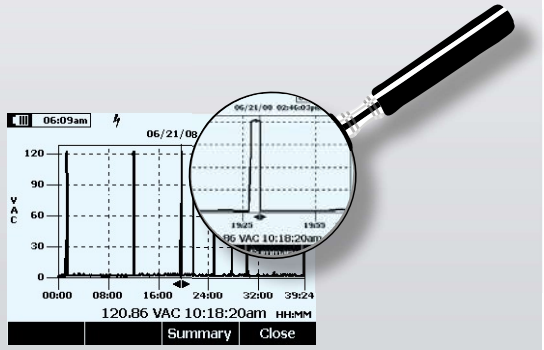
TECHNICAL DATA

Fluke 287 True-rms Electronics Logging Multimeter with TrendCapture





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).

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.
- ⓘ 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

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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 µA, 5000.0 µA, 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 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 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 µV	
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 µS	
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 t 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)	

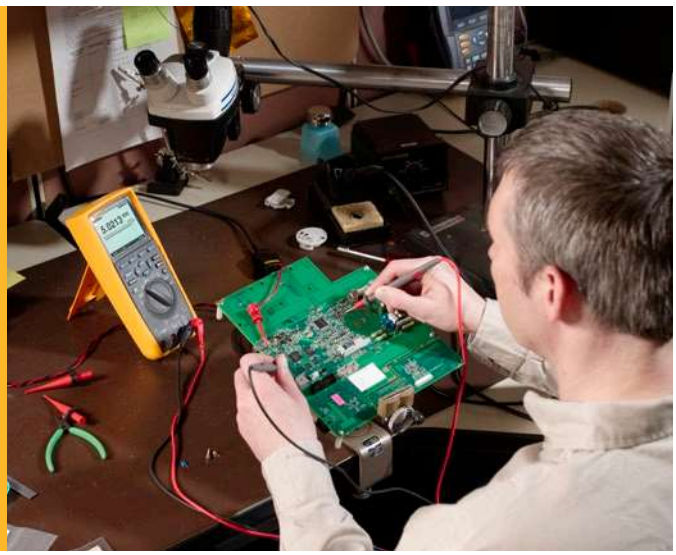
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Ordering information

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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