Fluke 280 Series True-RMS Logging Multimeters

Fluke 289/FC

Find little problems before they become big

The Fluke 287/FC and 289/FC are the next generation in high performance industrial logging multimeters.

These high performance industrial logging multimeters are designed to solve complex problems faster in many applications. Log data and review it graphically on-screen to help minimize downtime.

Communicate wirelessly with your smart phone directly from the field with the Fluke Connect™ app and get quick answers or next step authorizations faster than ever before. It's as simple as adding the Fluke ir3000 FC Connector to the standard Fluke 287 and 289 (connector sold separately).

- Large 50000 count, 1/4 VGA dot matrix display with white backlight
- 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 10000 recorded events
- Save, name, and recall multiple logging sessions before PC download is necessary
- Field upgradeable and expandable meter lets you stay current as new capabilities are added.
- Two terminal 50 ohm range with 1 milliohm resolution, 10 mA source current. Useful for measuring and comparing differences in motor winding resistance or contact resistance (289/FC)
- Low-pass filter for accurate voltage and frequency measurements on adjustable speed motor drives and other electrically noisy equipment (289/FC)
- Limited lifetime manufacturer's warranty

Features	287	289
Multiple on screen displays	•	•
True-RMS AC bandwidth	100 kHz	100 kHz
dBV/dBm	•	•
DC mV resolution	1 µV	1 µV
Megohm range up to	500 MΩ	500 MΩ
Conductance	50.00 nS	50.00 nS
Continuity beeper	•	•
Elapse time clock/time of day clock	•	•
Min/Max/Avg/duty cycle/pulse width	•	•
Isolated optical DMM interface with USB PC connection	•	•
Auto/touch hold	•	•
Over 200 hours logging capacity with new power saving function	•	•
Lo Ohm capability	-	•
LoZ volts	-	•
Lo Pass Filter	-	•

Functions	Range	Basic Accuracy
AC volts or DC volts	50.00 mV, 500.00 mV, 5.00 V, 50.00 V, 500.00 V, 1000.0 V	0.02% 0.4% (True-RMS) (AC)
AC current DC current	500.00 µA, 5000.0 µA, 50.00 mA, 400.00 mA, 5.00 A, 10.00 A	0.15% 0.7% (True-RMS)
Temperature (excluding probe)	-200.0° C to 1350.0° C (-328° F to 2462° F)	1.0%
Resistance	50.00 Ω, 500.00 Ω, 5.00 kΩ, 50.00 kΩ, 500.00 kΩ, 5.00 MΩ, 50.00 MΩ, 500.0 MΩ	0.05%
Capacitance	1.00 nF,10.00 nF, 100.0 nF, 1.00 µF, 10.00 µF, 100.0 µF, 1000 µF, 10.00 mF, 100 mF	1.0%
Frequency	99.99 Hz, 999.99 Hz, 9.99 kHz, 99.99 kHz, 999.99 kHz	0.005%

Recommended Accessories

TLK287
Electronic Test Lead Set

TLK289
Industrial Test Lead Set

FVF-SC2
FlukeView™ Forms Software with Cable

C280
Soft Case

i410
AC/DC Current Clamp

ir3000 FC
Fluke Connect™ ir3000 Connector

Recommended Kits

Bundle & Save

Fluke 287 FlukeView™ Forms Combo Kit

Fluke 287 FlukeView™ Forms Combo Kit with ir3000FC Connector

Fluke 289 FlukeView™ Forms Combo Kit

Fluke 289 FlukeView™ Forms Combo Kit with ir3000FC Connector

Included Accessories

TL175 Test Leads, AC175 Alligator Clips, Probe Holder, Six AA Batteries (installed), Calibration Certificate Sheet.

Ordering Information

FLUKE-287	True-RMS Industrial Logging Multimeter with TrendCapture
FLUKE-289	True-RMS Electronics Logging Multimeter with TrendCapture
FLUKE-287/ FVF Kit	FlukeView™ Forms Combo Kit
FLUKE-289/ FVF Kit	FlukeView™ Forms Combo Kit
FLUKE-287/ FVF/IR3000 Kit	Industrial Logging Multimeter and Software Combo Kit
FLUKE-289/ FVF/IR3000 Kit	Industrial Logging Multimeter and Software Combo Kit
FLUKE IR3000 FC	Fluke Connect™ ir3000 Connector

Contact your local distributor for price and availability.

fluke.com/wtb