

FLUKE®

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.

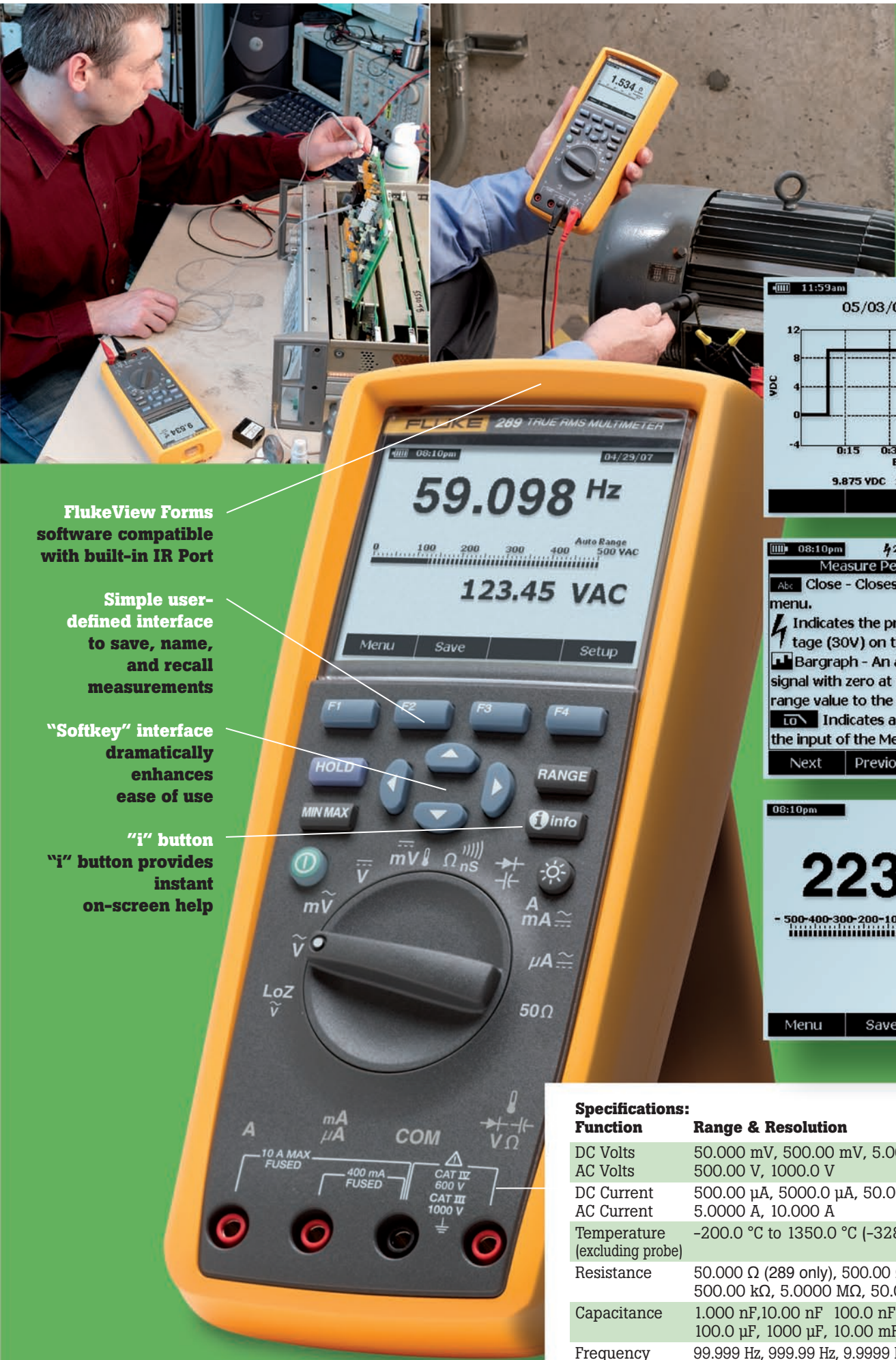
The Fluke 287 and 289 are the
ultimate handheld tools.

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 electro-
mechanical 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.



Transfer data to PC using
optional cable and
FlukeView Forms Software

- **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** Unsure 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



FlukeView Forms
software compatible
with built-in IR Port

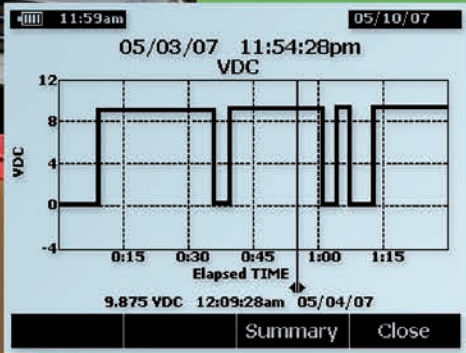
Simple user-
defined interface
to save, name,
and recall
measurements

“Softkey” interface
dramatically
enhances
ease of use

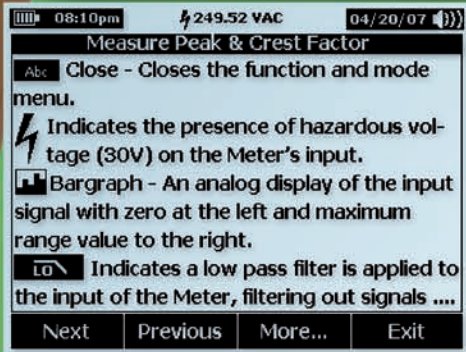
“i” button
“i” button provides
instant
on-screen help



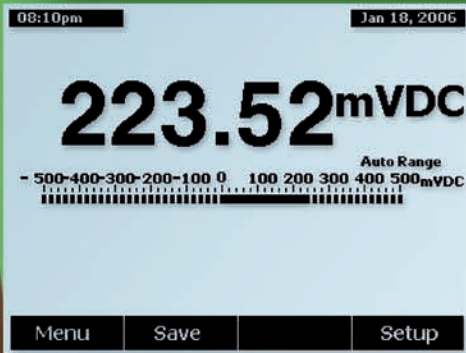
FLUKE®



TrendCapture
displays V dc
logged date



“i” button
provides instant
on-screen help



0.025 % basic dc
accuracy allows
you to measure
with confidence

Specifications:	Function	Range & Resolution	Basic Accuracy
DC Volts	AC Volts	50.000 mV, 500.00 mV, 5.0000 V, 50.000 V,	0.025 %
		500.00 V, 1000.0 V	0.4 % (true-rms)
DC Current	AC Current	500.00 μ A, 5000.0 μ A, 50.000 mA, 400.00 mA,	0.15 %
		5.0000 A, 10.000 A	0.7 % (true-rms)
Temperature (excluding probe)		-200.0 $^{\circ}$ C to 1350.0 $^{\circ}$ C (-328.0 $^{\circ}$ F to 2462.0 $^{\circ}$ F)	1.0 %
Resistance		50.000 Ω (289 only), 500.00 Ω , 5.0000 k Ω , 50.000 k Ω ,	0.05 %
		500.00 k Ω , 5.0000 M Ω , 50.00 M Ω , 500.0 M Ω	
Capacitance		1.000 nF, 10.00 nF, 100.0 nF, 1.000 μ F, 10.00 μ F,	1.0 %
		100.0 μ F, 1000 μ F, 10.00 mF, 100.00 mF	
Frequency		99.999 Hz, 999.99 Hz, 9.9999 kHz, 99.999 kHz, 999.99 kHz	0.005 %

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

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

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.®

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