

# Fluke 867B Graphical Multimeter



## Fluke 867B Features at a Glance:

Waveform Display to 1 MHz  
Safety-rated to 1000V  
Digital Display/Counts  
Selectable True-rms or Average Sensing  
Continuity/Conductance/Capacitance  
Duty Cycle/Pulse Width/Period/Frequency  
Min/Max/Average with Time Stamp  
Relative Mode  
Touch Hold<sup>®</sup> and Peak Hold

- dB, AutoDiode™
- Auto/Manual Ranging, Smoothing™
- RS232 Interface (software and cable optional)
- Logic Activity

- Component Test
- LCD backlight
- Waveform memory
- Built-in NiCad charging
- Battery Eliminator

## The Fluke 867B GMM Gives You the Big Picture

- 0.025% basic dc accuracy to discriminate low-level signal variations in transducers and analog electronics.
- Direct current from 0 to 10 Amps, with resolution down to 10nA
- True-rms ac with bandwidth to 300 kHz
- Capacitance from 40pF to 10,000  $\mu$ F
- Measure dB gain or loss in amplifiers, filters, or attenuators
- Tested for IEC 1010-1, CAT III 1000 Volts for industrial distribution systems
- And more: AutoDiode™, TouchHold<sup>®</sup>, Smoothing™, Relative, Peak Hold, Auto/Manual Ranging
- RS-232 Interface for communication to computers and printers. Import waveforms into reports (software and cable optional).

## Six test tools in one

Here's one test tool that's six test tools in one:

Fluke's most accurate **Multimeter**, from the company that makes the best

multimeters in the world. With Fluke's guaranteed ruggedness and reliability.

Easy-to-use **Waveform Display** from dc to 1 MHz. Troubleshooting no longer means groping in the dark. Waveforms are like x-ray pictures of your electrical system. With *automatic* set-up you get the best view without fiddling with timebase, trigger levels, position, etc.

A **Recorder** that plots high resolution meter readings in intervals from 1 second to 15 minutes. Record your data in one of three modes-sample, high/low or average. With the RS-232 interface, you can connect to your computer using FlukeView software and collect as much data as your hard disk can accommodate (software and cable optional).

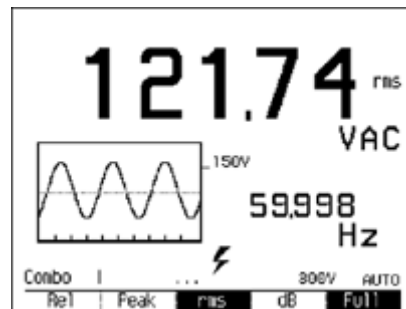
**Component Test** for checking voltage-current signatures on resistors, capacitors, semiconductors and more.

**Logic Test** offers a simple way to indicate logic transitions to 10 MHz, showing if a circuit is active, stuck high, or stuck low.

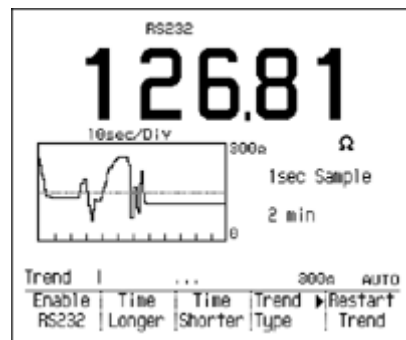
A **Frequency Counter** that measures up to 10 MHz.

### Display

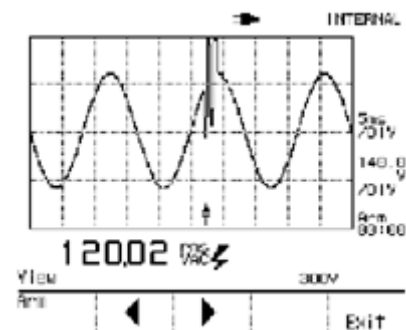
**Combo** mode shows combined meter and waveform displays for quick check of distorted waveforms.



**Record** events and trends. Helpful for troubleshooting intermittent problems or profiling loads.



**Glitch Capture** displays voltage impulses (spikes) which can effect data communications and electronic equipment.



<b>Fluke 867B Specifications</b>	
VDC	<b>Measurement Range:</b> 300.00 mV to 1000.0V <b>Basic Accuracy:</b> $\pm 0.025\%$
VAC RMS	<b>Measurement Range:</b> 300.00 mV to 1000.0V <b>Basic Accuracy:</b> $\pm 0.5\%$ <b>Bandwidth:</b> 20 Hz to 300 KHz <b>AVG Bandwidth:</b> 50 Hz to 30 KHz
ADC	<b>Measurement Range:</b> 300.00 $\mu$ A to 10.000A <b>Basic Accuracy:</b> $\pm 0.05\%$ to 0.2% N/A
AAC	<b>Measurement Range:</b> 300.00 $\mu$ A to 10.000A <b>Basic Accuracy:</b> $\pm 0.75\%$ N/A
Resistance	<b>Measurement Range:</b> 300.00 Ohm to 30.000 MOhm <b>Basic Accuracy:</b> $\pm 0.07\%$
Frequency	<b>Measurement Range:</b> 2 Hz to 2 MHz <b>Basic Accuracy:</b> $\pm 0.05\%$
Capacitance	<b>Measurement Range:</b> 10 nF to 10,000 $\mu$ F <b>Basic Accuracy:</b> $\pm 1.90\%$
Waveform Display	1 MHz
Peak Hold	Captures positive and negative peaks $\geq 10 \mu$ s
Glitch Capture	Captures glitches $\geq 1 \mu$ s
dB/dBm	<b>Measurement Range:</b> 2, 4, 8, 16, 50, 75, 93, 110, 125, 135, 150, 300, 600, 900, 1000, 1200 Ohm references <b>Basic Accuracy:</b> $\pm 0.05$ dB
<b>Fluke 867B General Specifications</b>	
<b>Safety Rating</b>	IEC 1010-1 Category III for 1000V; UL 3111, CSA-C22.2 No. 1010-1-92, TUV, ENG1010-1
<b>Display</b>	LCD, dot matrix, 240x200 pixels
<b>Operating Temperature</b>	0°C to 50°C
<b>Storage Temperature</b>	-20°C to 60°C (batteries removed)
<b>Relative Humidity</b>	0% to 90% non-condensing
<b>Battery Life</b>	NiCad battery pack: 8 hrs (supplied with 867B) Alkaline (6AA): 6 hrs
<b>Size</b>	2.75" H x 5.4" W x 9.7" L 69.9 mm H x 137.2 mm W x 246.4 mm L
<b>Weight</b>	With battery pack: 3.01 lb (1.35 kg) With AA batteries: 2.64 lb (1.19 kg)