

Fluke 867B Graphical Multimeter

High Performance Multimeter with
Advanced Graphics and reporting Capabilities



True-rms



The Graphical™ Multimeter combines the industry's most advanced multimeter capabilities with the visual power of trend graphing and waveform display, component testing, and logic checking together in one easy-to-use, handheld instrument.

The Fluke 867B Graphical Multimeter features:

- Extraordinary 0.025% dc accuracy for critical measurements
- Familiar Fluke multimeter functions like True-rms ac volts and resistance, joined by capacitance, conductance, frequency, duty-cycle, pulse-width, period and dB measurements
- Big, bold GMM display, shows multiple numeric readings and waveforms simultaneously. For example, high-accuracy True-rms readings combined with waveforms to give a complete picture of dynamic signals. Waveform display, with dc to 1 MHz bandwidth, provides a clear view of noise, waveform distortion, and glitches

- Optically isolated, RS-232 interface for printing and transferring measurement data, FlukeView® 860 software provides a communication link with PCs, for documentation, analysis and storage. The Fluke SC860 accessory, combines FlukeView* and cable, making an easy-to-buy interfacing solution
- TrendGraph™ works like an electronic chart recorder, plotting high resolution meter readings for up to 30 hours, in intervals from 1 second to 15 minutes
- Component test for checking component signatures on resistors, capacitors, semiconductors and more

Safety Conformance

All inputs are protected to IEC 1010-1 category III 1000V rating. All meters have been independently tested and approved for UL3111, CSA C22.2 No. 1010 and TÜV to EN61010 listing.

Features

	867B
Digital Display/Counts	30,000
True-rms Measurements	•
High Impedance Input	•
Min/Max/Avg with Time Stamp	•
Relative Mode	•
dB	•
Logic Activity	•
Component Test	•
Bright Backlight	•
Rechargeable Batteries/Line Adapter	•
Waveform memory	•

Specifications

Function	Range & Resolution	Best Accuracy
		867B
VDC	300.00 mV, 3.000V, 30.000V, 300.00V, 1000.0V	±(0.025%+2)
VAC	300.00 mV, 3.000V, 30.000V, 300.00V, 1000.0V	±(0.5%+10)
ADC	300.00 µA, 3000.0 µA 30.000 mA, 300.00 mA, 3.000A, 10.000A	±(0.1%+2) ±(0.05%+15)
AAC	300.00 µA, 3000.0 µA 30.000 mA, 300.00 mA, 3.000A, 10.000A	±(0.75%+10) ±(0.75%+10)
Resistance	300.00Ω, 3.0000 kΩ, 30.000 kΩ, 300.00 kΩ, 3.0000 MΩ, 30.000 MΩ	±(0.07%+2)
Capacitance	10000pF, .1000 µF, 1.000 µF, 10.00 µF, 100.0 µF, 1000 µF, 1000 µF	±(1.9%+2)
dB/dBm	2 - 1200 Ohm References	±0.5 dB
Frequency	1000.00 Hz, 10.0000 kHz, 100.000 kHz, 1.00000 MHz, 2.0000 MHz	±(0.05%+1) ±(0.05%+1)
AC bandwidth		300 kHz

Power supply: 867B: External line-powered battery eliminator and internal rechargeable NiCd battery pack.
Size: 246.4 mm L x 137.2 mm W x 69.9 mm D [9.7" L x 5.4" W x 2.75" D]
Weight: Without batteries: 1.1 kg (2.3 lbs). With battery pack: 1.4 kg (3.0 lbs).
Three year warranty

Accessories and Ordering Information

Included Accessories

TL71 test leads and users manual.
BP7217 Battery Pack and BE860
Battery Eliminator

Optional Accessories

See Accessories Compatibility Guide
on pages 30-37

Ordering Information

Fluke 867B Graphical Multimeter
SC860 FlukeView 860 Software and
optically-isolated RS-232 cable

Visit us on the world wide web at:
<http://www.fluke.com>