

8845A/8846A 6.5 Digit Precision Multimeters

FLUKE®



Fluke 8845A



Fluke 8846A

Precision and versatility for bench or systems applications

The Fluke 8845A and 8846A, 6.5 digit precision multimeters have the precision and versatility to handle your most demanding measurements on the bench or in a system.

Dual Display offers versatile graphical capabilities: The 8845A and 8846A features a unique graphical display that can reveal signal quality issues like drift, intermittent and stability by viewing the measurement data as a real time TrendPlot™, Histogram or Statistics using the unique analyze mode.

Wide Measurement Ranges: Resistance or current has been extended to cover the widest range possible.

Perform 4-wire measurements easily with two leads: Patented split terminal jacks for 2x4 Ohms function allows you to perform precise 4-wire measurements with only two leads instead of four. Optional Kelvin leads accessories are available to enable you to establish a 4-wire connection even in tight spaces.

Systems Capabilities: Both instruments include an RS-232, IEEE-488 and Ethernet interface as standard, with popular DMM emulation modes makes systems integration a simple task.

Software: Transfer data points from your meter to your PC with the free copy of FlukeView Forms Basic. To customize your forms upgrade with FVF-UG.



Use the built-in TrendPlot paperless chart recorder to graphically identify the extent of drift and intermittent events in analog circuits



View results in Histogram mode to reveal stability or noise problems in analog circuits



Handle even the most demanding measurements with high accuracy and 6.5 digit resolution



Included Accessories

LCI Line Power Cord, TL71 Test Lead Set, Spare Line Power fuse, Programmers Manual/User Manual on CD-ROM, FVF-BASIC FlukeView Forms Software Basic Version.

Ordering Information

Fluke 8845A 6.5 Digit Precision Multimeter
 Fluke 8845A/SU 6.5 Digit Precision Multimeter (software + cable)
 Fluke 8846A 6.5 Digit Precision Multimeter
 Fluke 8846A/SU 6.5 Digit Precision Multimeter (software + cable)
 Calibration & Service agreements

Features

	8845A	8846A
Display	Dual VFD Dot Matrix	
Resolution	6.5 Digits	
Measurement Rate (Rdgs/s)	1000	
Continuity / Diode Test	Yes	
Analytical Functions	Statistics, Histogram, TrendPlot™, Limit Compare	
Math Functions	NULL, Min/Max, dB/dBm	
USB Device Port	-	USB Memory Drive port
Real Time Clock	-	Yes
Interfaces	RS232, IEEE-488.2, Ethernet	
Programming Languages/Emulation Modes	SCPI (IEEE-488.2), Agilent 34401A, Fluke 45	
Safety	Designed to comply with IEC 61010-1:2000-1, ANSI / ISA-S82.01-1994, CAN / CSA-C22.2 No.1010.1-92 1000V CATI / 600V CATII	

Specifications

(Check the Fluke web for detailed specification)

Function*	8845A			8846A		
	Range	Resolution	Accuracy* (%)	Range	Resolution	Accuracy* (%)
Voltage DC	1000 V	100 nV	0.0035	1000 V	100 nV	0.0024
Voltage AC (Freq 300 Hz)	750 V	100 nV	0.06	1000 V	100 nV	0.06
Resistance (2x4 Wire)	100 MΩ	100 μΩ	0.01	1 GΩ	10 μΩ	0.01
Current DC	10 A	100 pA	0.05	10 A	100 pA	0.05
Current AC (Freq. 3Hz-10kHz)	10 A	1 μA	0.10	10 A	10 nA	0.10
Freq/Period	300 kHz	1 μHz	0.01	1 MHz	1 μHz	0.01
Capacitance	-	-	-	1 nF to 0.1 F	1 pF	1
Temperature RTD	-	-	-	-200 to +600°	0.001°	0.06

* Accuracy = +/- (% of reading)

Size (HxWxD): 88 mm x 215 mm x 293 mm

Weight: 3.6 kg

One Year Warranty

Recommended Accessories



TL2X4W-PT
2x4 Wire Ohms Test lead 2mm Probe Tip



884X-512M
USB Memory 512M



FVF-UG
FlukeView Forms Software Upgrade