

# 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 61010-12000-1, ANSI / ISA-S82.01-1994, CAN / CSA-C22.2 No.1010.1-92 1000V CATI / 600V CATII |                       |

### Specifications

(Check the Fluke web for detailed specifications)

| 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 10 μA 0.10                | 10 A 100 pA 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



884X-case  
Hard case



TL2X4W-TWZ  
2x4 Wire Ohms Tweezer  
Test Leads



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



884X-512M  
USB Memory 512M



FVF-UG  
FlukeView Forms  
Software Upgrade