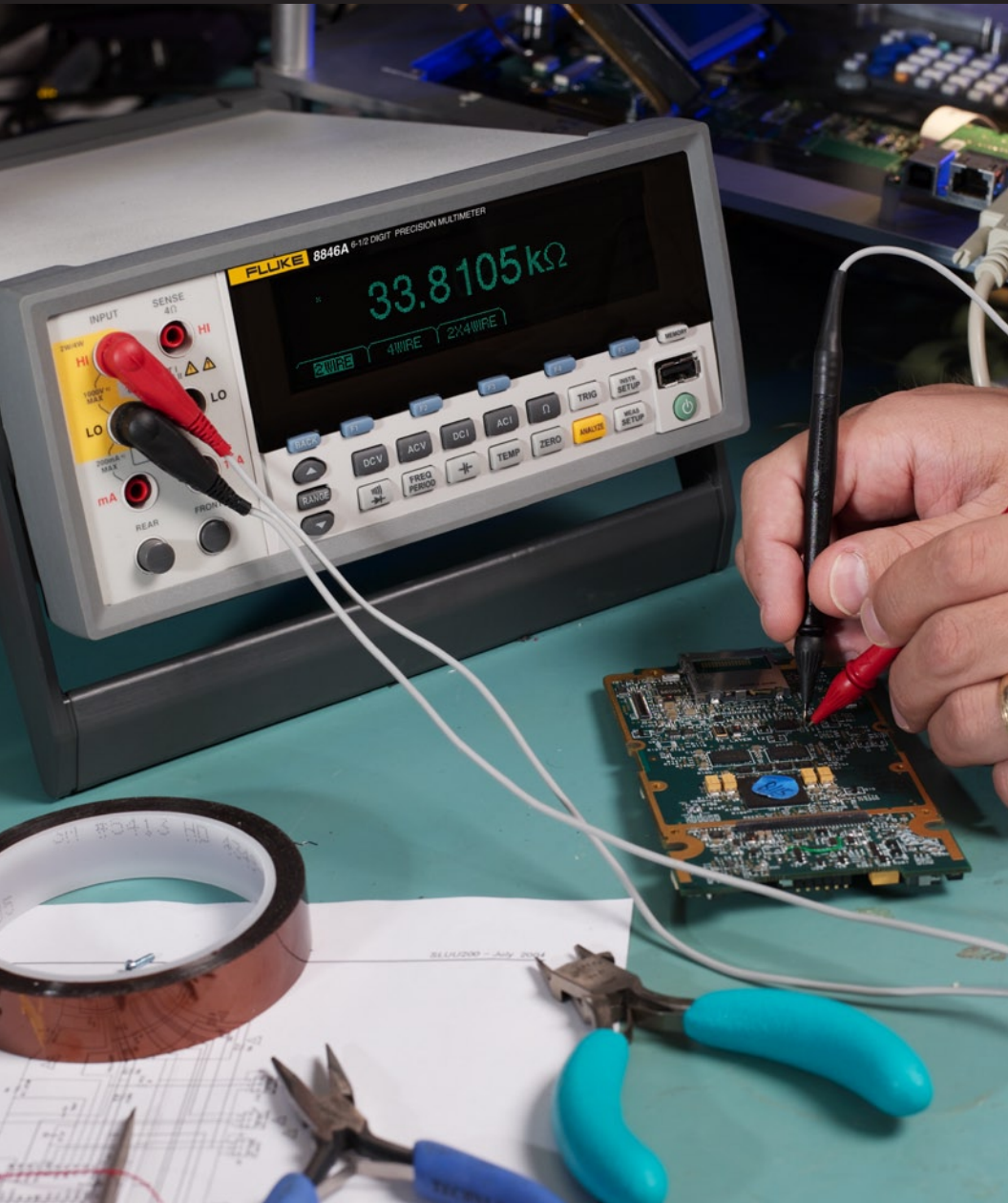


**FLUKE®**

# Fluke 8845A/8846A 6.5 Digit Precision Multimeters

Quick reference sales guide



# Fluke 8845A/8846A 6.5 Digit Precision Multimeters

## Precision and versatility for bench or systems applications

### What are they?

The Fluke 8845A and 8846A are precision digital multimeters that measure a wide variety of electrical parameters like volts, ohms, amps, frequency, capacitance and temperature. These meters display 6.5 digits resolution and provide best-in-class analog measurement performance. They include a variety of features and functions that make it the most versatile and easy to use 6.5 digit bench multimeter.

### Who uses them?

The 8845A and 8846A are used by manufacturing test, research and development engineers in product design and test applications. You will also find these meters in bench service environments, used by electronic repair technicians.

### Primary features and benefits

1. Best-in-class analog measurement performance
  - 6.5 digits (1,000,000 count) with basic volts dc accuracy up to 0.0024 %
  - Widest ranges in:
    - Resistance: 10  $\Omega$  to 1 G $\Omega$
    - Current: 100  $\mu$ A to 10 A
    - Voltage: 100 mV to 1000 V
2. New measurement techniques that enhance the utility of a digital multimeter
  - Graphical display with Histogram, Statistics and TrendPlot™ modes, finds problems like intermittent events, drift, dropouts and noise
  - Patented 2X4 wire ohms measurement technique, makes low ohms 4-wire measurement possible on surface mount devices
3. Systems integration and simplified data collection
  - Includes IEEE-488.2, RS-232 and LAN interfaces
  - Fluke 45 and 34401A remote command set emulation for life-cycle support of test systems using legacy DMMs
  - Front-panel USB memory device port simplifies transferring data to a PC for archiving or detailed analysis.



## Summary technical specifications

	<b>8845A</b>	<b>8846A</b>
Resolution	6.5 digits	
<b>Measurement function</b>		
Basic V dc accuracy	0.0035 %	0.0024 %
V dc	1000 V	
V ac	100 mV to 750 V	100 mV to 1000 V
Resistance (2x4 wire ohms)	100 Ω to 100 MΩ	10 Ω to 1 GΩ
A dc	100 uAmp to 10 Amp	
A ac	10 mAmp to 10 Amp	100 uAmp to 10 Amp
Freq/period	3 Hz to 300 kHz	3 Hz to 1 MHz
Continuity/diode test	Yes	
Capacitance	—	1 nF to 0.1 F
Temperature RTD	—	-200° to + 600°
<b>Advanced functions</b>		
Analytical functions	Statistics, histogram, TrendPlot™, limit compare	
Math functions	NULL, min/max, dB/dBm	
<b>Input output</b>		
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 and Fluke 45 remote command set	
<b>General</b>		
Weight	3.6 kg (8.0 lbs)	
Size (WxHxD)	215 mm (8.46 in) x 88 mm (3.46 in) x 293 mm (11.53 ft)	
Safety	Designed to comply with IEC 61010-12000-1, ANSI/ ISA-S82.01-1994, CAN / CSA-C22.2 No.1010.1-92 1000 V CAT I / 600 V CAT II	
Warranty	1 year	

## Ordering information

Mainframes	Description
<b>8845A</b>	6.5 Digit Precision Multimeter, 35 ppm
<b>8846A</b>	6.5 Digit Precision DMM, 24 ppm USBMem
<b>8845A/SU</b>	6.5 Digit Precision Multimeter, includes SW & RS-232 Adapter Cable
<b>8846A/SU</b>	6.5 Digit Precision Multimeter, includes SW & RS-232 Adapter Cable

Key accessories	Test Probes
<b>TL2X4W-PTII</b>	2x4 Wire Ohms Test Lead
<b>884X-RTD</b>	100 Ohm RTD Temperature Probe
<b>884X-1G</b>	USB Memory 1 GB
<b>884X-USB</b>	USB to RS-232 Cable Adapter
<b>Y8846S</b>	Rack Mount Kit Single
<b>Y8846D</b>	Rack Mount Kit Dual

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