



Fluke 8845A or 8846A – A perfect fit for many applications in a system or on the bench:

Technical Selection Guide:

	8845A	8846A
Display	VFD Dot Matrix	
Resolution	6.5 Digits	
Measurement Function	Accuracy = +/- (% of reading + % of range), 1 Year after Calibration	
VDC		
Ranges	100 mV to 1000 V	
Resolution	100 nV	
Accuracy	0.0035 + 0.0005	0.0024 + 0.0005
VAC		
Ranges	100 mV to 750 V	100 mV to 1000 V
Resolution	100nV	
Accuracy	0.06 + 0.03	0.06 + 0.03
Freq	300 kHz	300 kHz
Resistance		
2x4 Wire	Yes	Yes
Ranges	100 Ohm to 100 Mohm	10 Ohm to 1 Gohm
Resolution	100 uOhm	10 uOhm
Accuracy	0.010 + 0.001	0.010 + 0.001
ADC		
Ranges	100 uAmp to 10 Amp	100 uAmp to 10 Amp
Resolution	100 pAmp	100 pAmp
Accuracy	0.050 + 0.005	0.050 + 0.005
AAC		
Ranges	1 Amp to 10 Amp	10 mAmp to 10 Amp
Resolution	1 uAmp	10 nAmp
Accuracy	0.10 + 0.04	0.10 + 0.04
Freq	3 Hz to 5 kHz	3 Hz to 5 kHz
Freq/Period		
Ranges	3 Hz to 300 kHz	3 Hz to 1 MHz
Resolution	1 uHz	1 uHz
Accuracy	0.01 %	0.01 %
Continuity / Diode Test	Yes	

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Accuracy = +/- (% of reading+% of range), 1Year after Calibration		
Measurement Function		
Capacitance		
Ranges	—	1 nF to 0.05 F
Resolution	—	1 pf
Accuracy	—	1 %
Temperature RTD		
Ranges	—	-200° to + 600°
Resolution	—	0.001°
Accuracy	—	0.06
Math Functions		
Other	NULL, Min / Max /Average	
dB/dBm	—	Yes
Advanced Functions		
Statistics/Histogram		Yes
TrendPlot™		Yes
Limit Test		Yes
Input Output		
USB Device Port	—	USB Memory Drive port
Real Time Clock	—	Yes
Interfaces	RS232, IEE-488.2, Ethernet	
Programming Languages/Modes	SCPI (IEEE-488.2), Agilent 34401A, Fluke 45	
General		
Weight	3.6 kg (8.0lbs)	
Size	8.46" (215mm)W, 3.46" (88 mm) H, 11.53" (293 mm) D	
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	
Warranty	1year	