Fluke Bench Type DMMs (Models 8845 and 8846)

Part Nos. 01FL8845 and 01FL8846

Summary Specifications	**8845A**	**8846A**
Display	VFD Dot Matrix	
Resolution	6.5 Digits	
Measurement Function	**Accuracy, ± (% of reading + % of range), one year after calibration**	
V DC		
Ranges	100 mV to 1000 V	
Max. Resolution	100 nV	
Accuracy	0.0035 + 0.0005	0.0024 + 0.0005
V AC		
Ranges	100 mV to 750 V	100 mV to 1000 V
Max. Resolution	100 nV	
Accuracy	0.06 + 0.03	0.06 + 0.03
Frequency	3 Hz to 300 KHz	
Resistance		
2x4 Wire	Yes	Yes
Ranges	100 Ω to 100 MΩ	10 Ω to 1 GΩ
Max. Resolution	100 µΩ	10 µΩ
Accuracy	0.010 + 0.001	0.010 + 0.001
A DC		
Ranges	100 µA to 10 A	100 µA to 10 A
Max. Resolution	100 pA	100 pA
Accuracy	0.050 + 0.005	0.050 + 0.005
A AC		
Ranges	10 mA to 10 A	100 µA to 10 A
Max. Resolution	10 µA	100 pA
Accuracy	0.10 + 0.04	0.10 + 0.04
Frequency	3 Hz to 10 kHz	3 Hz to 10 kHz
Freq/Period		
Ranges	3 Hz to 300 kHz	3 Hz to 1 MHz
Max. Resolution	1 µHz	1 µHz
Accuracy	0.01 %	0.01 %
Continuity/ Diode Test	Yes	Yes
Capacitance		
Ranges	—	1 nF to 0.1 F
Max. Resolution	—	1 pf
Accuracy	—	1 %
Temperature		
Type		Platinum RTD
Range	—	-200 °C to +600 °C
Max. Resolution	—	0.01 °
Accuracy	—	0.06 °
Math Functions		
	Zero, Min/Max/Average, Std Dev; mx+b	
dB/dBm	Yes	Yes
Advanced Functions		
Statistics/Histogram	Yes	
Trendplot	Yes	
Limit Test	Yes	
Input Output		
USB Memory	—	USB memory drive port
Real Time Clock	—	Yes
Interfaces	RS 232, IEE-488.2, Ethernet, USB (with optional adaptor)	
Programming Languages/ Modes	SCPI (IEEE-488.2), Agilent 34401A, Fluke 45	
General		
Weight	3.6 kg (8.0 lbs)	
Size (HxWxD)	88 mm x 217 mm x 297 mm (3.46 in x 8.56 in x 11.7 in)	
Safety	Designed to comply with IEC 61010-1 2000-1, ANSI/ISA-S82.01-1994, CAN/CSA-C22.2 No. 1010.1-92 CAT I 1000 V, CAT II 600 V	
Warranty	One year	