

Precision Benchtop Multimeters

Dual display offers versatile graphical capabilities

These multimeters feature a unique graphical display that reveals 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. Model 8808A features a range of 200 Ω to 100 MΩ. Model 8846A resistance measurement range is extended from 10 Ω up to 1 GΩ with a resolution of up to 10 micro Ω. For current measurements, model 8846A ranges from 10 A to 10 A with a maximum resolution of 100 pico amps.

Perform 4-wire measurements easily with two leads. Split terminal jacks for 2 x 4 ohms function allow you to perform precise 4-wire measurements with only two leads instead of four. Optional test leads TL80A enable you to establish a 4-wire connection even in tight spaces.

Fluke Model 8846A extended performance & capabilities. Model 8846A increases basic VDC accuracy to ±0.0025%, and adds measurements like capacitance, RTD temperature and dBm. Model 8846A also includes a USB device port to connect standard USB memory storage devices.

Systems capabilities. Model 8808A includes an RS-232 interface. Models 8845A and 8846A include RS-232, IEEE 488 and Ethernet interface as standard, with popular DMM emulation modes making systems integration a simple task.



20015-52

- Up to 6.5-digit resolution
- Graphical display
- Basic VDC accuracy up to ±0.0025%
- 10 mA to 10 A current
- 10 Ω to 1 GΩ resistance
- 2 x 4 wire Ω measurement technique
- Frequency, period, capacitance and RTD temperature measurements
- Analytical modes; TrendPlot, histogram and statistics
- USB device port for memory storage devices
- RS-232, IEEE-488 and LAN interfaces

SPECIFICATIONS

Model No.	8808A	8845A	8846A
Resolution	5.5 digits	6.5 digits	6.5 digits
Measurement rate (rdgs/s)	100	1000	1000
Measurement function			
Basic VDC accuracy	±0.015%	±0.0035%	±0.0024%
VDC	1000 V	1000 V	1000 V
VAC	750 V	750 V	1000 V
Resistance (2 x 4 wire Ohms)	100 MΩ	100 MΩ	1 GΩ
ADC range	20 mA to 10 A	10 mA to 10 A	10 mA to 10 A
AAC range	20 mA to 10 A	1 A to 10 A	10 mA to 10 A
Frequency / period	20 Hz to 1 MHz	3 Hz to 300 kHz	3 Hz to 1 MHz
Continuity / diode test	Yes	Yes	Yes
Capacitance	—	—	1 nF to 0.05 F
Temperature RTD	—	—	-328 to 1112°F (-200 to 600°C)
Advanced functions			
Analytical functions	Limit Compare	Statistics, Histogram, TrendPlot™, Limit Compare	
Math functions	Min/Max, relative, hold, compare, dB/dBm	Ratio, NULL, Min/Max	Ratio, NULL, Min/Max, dB/dBm
Input/output			
USB device port	—	—	USB memory drive port
Real-time clock	—	Yes	Yes
Interfaces	RS-232, USB	RS-232, IEEE-488.2, Ethernet	
Programming / emulation modes	Simplified ASCII, Fluke 45	SCPI (IEEE-488.2), Agilent 34401A, Fluke 45	

What's included: TL71 test leads, CD-ROM with user manual and programmer manual, FlukeView Forms (basic) software, and USB adapter.

Catalog No.	Model No.	Description
TS-20210-11	8808A	5.5-Digit precision multimeter, 100 rdg/s
TS-20015-52	8845A	6.5-Digit precision multimeter, 1000 rdg/s, 35 ppm
TS-20015-53	8846A	6.5-Digit precision multimeter, 2000 rdg/s, 25 ppm
Accessories		
TS-20018-51	TL910	Precision electronic probe set
TS-26012-80	TL80A	Basic electronic DMM test set
TS-20019-09	FVFSC4	FlukeView Forms software upgrade with cable
TS-20041-05	884X-USB	USB to RS-232 cable adapter for model 8808A
TS-17100-42	—	NIST-traceable calibration with data (for 5.5-digit models)
TS-17100-46	—	NIST-traceable calibration with data (for 6.5-digit models)