45 Dual Display Bench Multimeter



Fluke 45

Maximum versatility in a single instrument

The Fluke 45 is a feature-rich 5-digit, 100 000 count meter that truly fits all applications and virtually any measurement need – on the workbench or in the field. Two multifunction displays and 16 different measurement capabilities allow wide ranging versatility.

The Fluke 45 delivers high performance and flexibility for manufacturing test, depot and field service, as well as R&D applications. Use optional FlukeView* Forms software to communicate through the Fluke 45's standard serial port.

Features

	45
Multifunction Vacuum Fluorescent Dual Display	٠
True-RMS Voltage and Current Measurement, Including AC + DC	•
0.05% DC Current Accuracy for 4-20 mA Current Loop Service	•
Standard RS-232 Interface	•
Optional IEEE-488.2 Interface	•
Frequency Measurement to 1 MHz	•
dB Measurements	•
Min/Max Mode	•
Relative Mode	•
Compare (Hi/Lo/Pass) for Quick In-Tolerance Tests	•
Closed Case Calibration	•
Optional: Rack-Mount Kit	•
Touch Hold*	•
Diode Test/Continuity	•



Included Accessories

Line cord, TL 71 test leads, operator's manual, and Quick Reference Guide.

Options

Field/customer installable: Fluke 45-01K Rechargeable Lead-Acid Battery Kit Fluke 45-05K IEEE-488.2 Interface Kit

Optional Accessories

M00-200-634	Rack Mount Kit	
RS40	6' RS-232 Terminal Cable	
RS41	6' RS-232 Modem Cable	

Ordering Information

Fluke 45	Dual Display Multimeter
Fluke 45-01	with Factory-Installed
	Battery
Fluke 45-05	with Factory-Installed
	IEEE-488.2 Interface
Fluke 45-15	with Factory-Installed
	Battery and IEEE-488.2
	Interface
FVF-SC3	FlukeView Forms software
	including interface cable

Specifications

Display: 3000 Counts, 30 000 Counts, 100 000 Counts

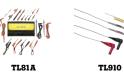
Reading Rates: Fast (20 times per second), Medium (5 times per second), Slow (2.5 times per second)					
Function	Range	Best Accuracy	Resolution		
		(medium reading rate)			
Voltage DC	300mV-1000V	±0.025% + 2	1 μV-0.01V		
Voltage AC (True-RMS, AC Coupled) Freq. 20 Hz-100 kHz	300mV-750V	±0.2% + 10	1 μV-0.01V		
dB Readout (600 Ω Ref.) (Ref. Z 2Ω -8000Ω)	-34-+60	±0.08 dBm	0.01 dB-0.1 dB		
Current DC	30 mA-10A	±0.05% + 2	0.1 µA-10 mA		
Current AC (True-RMS, AC Coupled) Freq. 20 Hz-20 kHz	10 mA-10A	±0.5% + 10	0.1 µA-10 mA		
Resistance	300Ω-100 ΜΩ	±0.05% + 2	0.001Ω-1 ΜΩ		
Frequency	5 Hz->1 MHz	±0.05% + 1	0.01 Hz-1 kHz		

Range & Resolution: If selected range is 100.000mV the resolution is 0.001mV

in that range Size (H x W x D): 216 mm x 93 mm x 286 mm Weight: Net 2.4 kg; with battery 3.2 kg

One Year Warranty

Recommended Accessories



FF





10017-eng Rev. 06

TL40

TLK-225

FVF-SC3