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Data Sheet

August 14, 2026

FLUKE

Fluke 45 Dual Display 5-Digit Bench Multimeter

Interfaces: RS-232C standard; IEEE-488.2 optional Power: 90 to 264 Vac 50/60 Hz less than 15 VA Size: 216 mmWx 93 mmHx 286 mmD Weight Net: 2.4 kg (5.2 lb); with battery option 3.2 kg Accuracy and ranges from Fluke 45 Dual Display Multimeter datasheet (ATE Corp scan of Fluke bench DMM sheet). Accuracies $\pm$ (% reading + LSD) one year at 18 C to 28 C; medium-rate rows cited for best typical use. Fluke 45 Dual Display 5-Digit Bench Multimeter The Fluke 45 is a dual-display true-RMS bench/system DMM with selectable 100000 / 30000 / 3000 count modes and reading rates of 2.5 / 5 / 20 readings per second. Fluke datasheet one-year accuracies (medium rate, 18 C to 28 C) include DCV $\pm$ (0.025% + 2), ACV midband $\pm$ (0.2% + 10), DCI best $\pm$ (0.05% + 2), resistance $\pm$ (0.05% + 2), and frequency $\pm$ (0.05% + 1) to greater than 1 MHz. Bench power-supply testing with simultaneous DC and AC ripple display, 4-20 mA loop service, manufacturing compare (Hi/Low/Pass) testing, and PC-linked logging via standard RS-232 or optional IEEE-488.2.



MODEL

Fluke 45

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

45

LISTING

<https://aumictechlabs.com/products/45-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Fluke 45 is a versatile benchtop multimeter featuring a five-digit dual display, providing simultaneous viewing of two different measurements. It has a set of measurement functions, including AC/DC voltage and current, resistance, frequency, capacitance, and diode test. With its

high accuracy and resolution, the Fluke 45 is suitable for a wide range of applications in electronics testing, maintenance, and calibration.

45 Characteristics / Specifications

PARAMETER	VALUE
Display Digits Slow Mode	99999 counts at 2.5 readings/s
Display Digits Medium Mode	30000 counts at 5 readings/s
Display Digits Fast Mode	3000 counts at 20 readings/s
DCV Ranges Medium	300 mV to 1000 V
DCV One Year Accuracy Medium	0.025% + 2
DCV Input Impedance	10 M Ω parallel less than 100 pF
DCV Maximum Input	1000 V dc or peak ac any range
ACV Ranges	300 mV to 750 V True-RMS AC coupled
ACV Best Accuracy 50 Hz to 10 kHz Medium	0.2% + 10
ACV Frequency Span Specified	20 Hz to 100 kHz
ACV Crest Factor Maximum	3.0
ACV Maximum Input	750 V rms, 1000 V peak
DCI Ranges	30 mA, 100 mA, 10 A class (plus 10 mA slow)
DCI Best Accuracy Medium Low Ranges	0.05% + 2
ACI True RMS Bandwidth mA Class	20 Hz to 20 kHz class
ACI Best Accuracy 50 Hz to 10 kHz mA Medium	0.5% + 10
Resistance Best Accuracy Medium Low Ranges	0.05% + 2
Resistance High Range Class	to 300 M Ω / 100 M Ω depending on rate
Frequency Range	5 Hz to greater than 1 MHz
Frequency Accuracy	0.05% + 1 (1000 Hz range 0.05% + 2)
Frequency Specified To	1 MHz (usable to 8 MHz when overdriven)
Diode Continuity Open Circuit Voltage Maximum	3.2 V
Interfaces	RS-232C standard; IEEE-488.2 optional

PARAMETER	VALUE
Power	90 to 264 Vac 50/60 Hz less than 15 VA
Operating Temperature	0 C to 50 C
Warmup To Rated Specs	1 hour
Size	216 mmWx 93 mmHx 286 mmDWeight Net: 2.4 kg (5.2 lb); with battery option 3.2 kg
Bandwidth	mA Class: 20 Hz to 20 kHz class

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
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Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.