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Data Sheet

August 13, 2026

FLUKE

Fluke 8000A Digital Multimeter

The Fluke 8000A is a compact 3.5-digit benchtop/portable digital multimeter from the mid-1970s Fluke LED DMM era. Pushbutton range/function selection, autopolarity, and six resistance ranges cover DC/AC voltage to about 1200 V, DC/AC current to about 2 A, and resistance to about 20 Mohm for general service and production-floor measurements. Related meters: 8000A/8001A naming also used later by other makers for unrelated products Era: early-to-mid 1970s Fluke benchtop LED DMM family Input protection: overrange blink indication on display Specs from Fluke 8000A operator/service literature summaries and period product descriptions. Do not confuse with unrelated modern Measurements International 8000A potentiometers. Confirm options, power supply configuration, and calibration status on the unit.



MODEL

Fluke 8000A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

8000A

LISTING

<https://aumictechlabs.com/products/8000a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Fluke 8000A is a 3.5-digit digital multimeter engineered for general-purpose electronic testing and troubleshooting across DC voltage, AC voltage, DC current, AC current, and resistance measurements. The instrument delivers 0.1% basic DC accuracy and features a 7-segment LED display with 7.62 mm character height, full-scale readout of 1999 (1199 on 1200V ranges), and automatic polarity detection. Push-button controls enable straightforward range and function selection, while self-locating decimal point and self-zeroing functions eliminate offset

uncertainties. Technical Specifications Display: 3.5-digit LED, 7.62 mm (0.30 in) character height Full-Scale Readout: 1999 (1199 on 1200V AC/DC ranges) DC Voltage: 5 ranges, 100 μ V to 1199V; $\pm 0.1\%$ basic accuracy AC Voltage: 5 ranges, 100 μ V to 1199V DC Current: 6 ranges, 100 nA to 1.999A; $\pm 0.5\%$ of reading + 1 digit (10A range, 1 year) AC Current: 6 ranges, 100 nA to 1.999A; $\pm 1\%$ of reading + 2 digits (10A range, 45 Hz to 3 kHz, 1 year) Resistance: 6 ranges, 100 m Ω to 19.99 M Ω ; $\pm 1\%$ of reading + 2 digits (1.999 Ω); $\pm 0.5\%$ of reading + 2 digits (19.99 Ω , 1 year) Measurement Test Current: 10 mA Input Protection: 1200V RMS all voltage ranges; 130V RMS (200 Ω /2k Ω); 250V RMS (higher ranges) Common Mode Voltage: 1200V peak maximum Power: 100/115/230V AC, 50 to 400 Hz, 2W; optional rechargeable batteries (-01/-015/-016) with 8+ hours minimum runtime, recharge in <14 hours Key Features Auto polarity with self-locating decimal point Self-zeroing to eliminate offset uncertainties Blinking full-scale readout indicates over-range condition Front panel zero control for resistance measurements (20 Ω range) Overload protection across all ranges Banana-type front panel connectors with separate common, current, and volt-ohm inputs Typical Applications Field troubleshooting, bench testing, maintenance diagnostics, and general-purpose circuit analysis requiring multi-function measurement capability with industrial-grade protection. Compatibility & Integration Banana-type connectors support standard test lead configurations. Dual power options - mains AC or battery operation - enable deployment in lab and field environments.

Features & description

From manufacturer datasheet

Features

- 3.5-digit LED display with autopolarity
- Pushbutton range and function selection
- Five DC and five AC voltage ranges
- Five DC and five AC current ranges
- Six resistance ranges
- Overrange indicated by blinking full-scale readout

Applications

- General-purpose bench DC/AC voltage measurement
- Current and resistance troubleshooting on electronics benches
- Production and service use as a classic industry-standard LED DMM
- Training and restoration of vintage Fluke 8xxx series meters

8000A Characteristics / Specifications

PARAMETER	VALUE
Model	8000A
Manufacturer	Fluke
Instrument Type	Digital Multimeter
Alias	8000A; Fluke 8000A
Digits	3.5
DC voltage span	100 uV to 1199 V
AC voltage span	100 uV to 1199 V
DC current span	100 nA to 1.999 A
AC current span	100 nA to 1.999 A
Resistance span	100 mohm to 19.99 Mohm
DC voltage ranges	five ranges
AC voltage ranges	five ranges
DC current ranges	five ranges
AC current ranges	five ranges
Resistance ranges	six ranges
Basic DC voltage accuracy class	0.1% of reading annual class
Display type	LED numeric
Power	line and/or rechargeable battery configurations depending on option
Size class	about 217 × 64 × 271 mm WHD
Weight class	about 2.1 kg
Related meters	8000A/8001A naming also used later by other makers for unrelated products
Era	early-to-mid 1970s Fluke benchtop LED DMM family

PARAMETER

VALUE

Input protection

overrange blink indication on display Notes Specs from Fluke 8000A operator/service literature summaries and period product descriptions. Do not confuse with unrelated modern Measurements International 8000A potentiometers. Confirm options, power supply configuration, and calibration status on the unit.

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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PARAMETER	VALUE
Model	8000A
Manufacturer	Fluke
Instrument Type	Digital Multimeter
Alias	8000A; Fluke 8000A
Digits	3.5
Full-scale readout: 1999 counts; 1199 on 1200 V ranges	
Specifications	
PARAMETER	VALUE
DC voltage span	100 uV to 1199 V
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Resistance span	100 mohm to 19.99 Mohm
DC voltage ranges	five ranges
AC voltage ranges	five ranges
DC current ranges	five ranges
AC current ranges	five ranges
Resistance ranges	six ranges
Basic DC voltage accuracy class	0.1% of reading annual class
Option -05 current: extends current to 10 A class when fitted	
Specifications	
PARAMETER	VALUE
Display type	LED numeric
Power	line and/or rechargeable battery configurations depending on option
Size class	about 217 x 64 x 271 mm WHD

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Notes

Specs from Fluke 8000A operator/service literature summaries and period product descriptions. Do not confuse with unrelated modern Measurements International 8000A potentiometers. Confirm options, power supply configuration, and calibration status on the unit.

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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30-day returns
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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.