

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

FLUKE

Fluke 8400A/FM

The Fluke 8400A is a 5½-digit precision digital voltmeter engineered for systems integration and laboratory measurement applications. This benchtop instrument delivers DC voltage measurements across five ranges from ± 0.1 V to ± 1000 V with 1 μ V sensitivity and exceptional 0.002% basic DC accuracy. The design leverages Fluke's Recirculating-Remainder A/D conversion technique to ensure high long-term accuracy, superior linearity, and reliable environmental stability. Input resistance (AC): 1 M Ω , 35 pF (500 V and 50 V ranges); 1 M Ω , 50 pF (5 V and 0.5 V ranges) Aumictech offers NIST-traceable calibration and repair for the Fluke 8400A/FM. Calibration covers calibration scope varies by instrument type: vacuum gauges are verified at multiple pressure points against NIST-traceable pressure standards; spectrophotometers at wavelength accuracy and photometric accuracy points; strain gauge indic



MODEL

Fluke 8400A/FM

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

8400A/FM

LISTING

<https://aumictechlabs.com/products/8400a-fm-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

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conversion technique to ensure high long-term accuracy, superior linearity, and reliable environmental stability. Technical Specifications Display: 5½ digits DC voltage ranges: ± 0.1 V to ± 1000 V (five ranges) Sensitivity: 1 μ V Basic DC accuracy: 0.002% Common mode rejection (DC): 140 dB Input resistance (DC, 0–500 V): Infinite at null Input resistance (AC): 1 M Ω , 35 pF (500 V and 50 V ranges); 1 M Ω , 50 pF (5 V and 0.5 V ranges) Conversion technique: Recirculating-Remainder A/D Weight: 16 lbs Key Features Standard cell reference; optional Zener diode reference (AG suffix) Benchtop form factor with compact footprint Systems-oriented architecture for measurement system integration Optional remote control and printer output Optional low-capacity probe for specialized measurements Compatibility & Integration The 8400A integrates into larger measurement systems via optional remote control and data output capabilities. Rack-mounting kits - including the 881A-103 dual mounting kit and 881A-102 single mounting kit - enable vertical integration into standard 19-inch racks. Multiple optional add-ons expand functionality based on application-specific requirements.

8400AFM Characteristics / Specifications

PARAMETER	VALUE
Display Digits	5 full decades plus overrange digit
DC Voltage Ranges	plus or minus 0.1 V 1 V 10 V 100 V 1000 V
DC Resolution	plus or minus 0.001 percent of range (1 uV max on 0.1 V)
Overrange	20 percent
Maximum Input on 1000 V Range	plus or minus 1100 V
Overload Any Range	plus or minus 1100 V DC or rms (plus or minus 1500 V peak)
Polarity	Automatic
Filter	Switched 4 pole active
Autoranging	Manual and automatic standard
Sample Rate	Variable front-panel control
Display Type	In-line neon tube with function annunciator
Operating Temperature	0 C to +50 C
Storage Temperature	minus 40 C to +75 C
Power	115/230 VAC plus or minus 10 percent 50 to 440 Hz less than 25 W
Size	3.5 inHx 17 inWx 18 inDWeight: less than 20 lb (9.08 kg)
Warmup to Rated Accuracy	20 minutes; 1 hour to full accuracy
Common Mode Capability Class	Guarded measurements with options
Resistance Option Ranges Class	ohms function with Option 01 family
AC Option	Field installable
Form Factor	Benchtop systems DVM
Remote Options	Systems interface options available

8400AFM Specifications

PARAMETER	VALUE
Fluke 8400A Digital Voltmeter	Overview
Key Features	Five full decades plus 20 percent overrange digit
Technical Specifications	Display Digits: 5 full decades plus overrange digit
Notes	Specs from Fluke 8400A Digital Voltmeter Instruction Manual mainframe tables. Option cards add AC/ohms/ratio limits.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
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AC Option	Field installable
Form Factor	Benchtop systems DVM
Remote Options	Systems interface options available Notes Specs from Fluke 8400A Digital Voltmeter Instruction Manual mainframe tables. Option cards add AC/ohms/ratio limits.

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.