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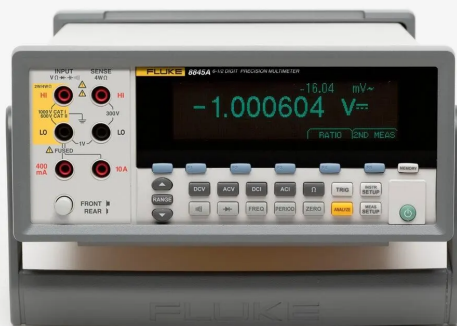
Data Sheet

August 14, 2026

FLUKE

Fluke 8846A 6.5 Digit Precision Digital Multimeter

Fluke 8846A 6.5 Digit Precision Digital Multimeter The Fluke 8846A is a 6.5-digit bench/system DMM that extends the 8845A feature set with capacitance, platinum RTD temperature, wider ohms to 1 Gohm, ACV to 1000 V, frequency to 1 MHz, and a USB memory port. Fluke 8845A/8846A brochure summary specs rate basic one-year VDC accuracy at 0.0024 percent plus 0.0005 percent of range with dual display TrendPlot statistics and Fluke 45 plus Agilent 34401A emulation. Precision bench voltage current resistance capacitance and RTD measurements, automated manufacturing test via RS-232 IEEE-488.2 Ethernet, dual-parameter monitoring, and drift analysis with TrendPlot and USB logging. The Fluke 8846A is a 6.5-digit bench/system DMM that extends the 8845A feature set with capacitance, platinum RTD temperature, wider ohms to 1 Gohm, ACV to 1000 V, frequency to 1 MHz, and a USB memory port. Fluke 8845A/8846A brochure summary specs rate basic one-year VDC accuracy at 0.0024 percent plus 0.0005 percent of range with dual display TrendPlot statistics and Fluke 45 plus Agilent 34401A emulation. Precision bench voltage current resistance capacitance and RTD measurements, automated manufacturing test via RS-232 IEEE-488.2 Ethernet, dual-parameter monitoring, and drift analysis with TrendPlot and USB logging.



MODEL

Fluke 8846A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

8846A

LISTING

<https://aumictechlabs.com/products/8846a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Fluke 8846A 6.5 digit precision multimeter has a wide variety of functions to measure volts, ohms, and amps with a basic VDC accuracy of up to 0.0024 %. The Fluke 8846A works with benchtop or system use. Functions include VDC, VAC, IDC, IAC, 2-wire and 4-wire resistance, frequency, period, capacitance and temperature.

8846A Characteristics / Specifications

PARAMETER	VALUE
Display Type	VFD dot matrix
Resolution	6.5 digits
DCV Ranges	100 mV to 1000 V
DCV Maximum Resolution	100 nV
DCV One Year Accuracy	0.0024 plus 0.0005 (percent measurement plus percent of range)
ACV Ranges	100 mV to 1000 V
ACV Maximum Resolution	100 nV
ACV One Year Accuracy	0.06 plus 0.03 (percent measurement plus percent of range)
ACV Frequency Bandwidth	3 Hz to 300 kHz
Resistance Ranges	10 ohm to 1 Gohm
Resistance Maximum Resolution	10 uohm
Resistance One Year Accuracy	0.010 plus 0.001 (percent measurement plus percent of range)
Four Wire Ohms	2×4 wire yes
DCI Ranges	100 uA to 10 A
DCI Maximum Resolution	100 pA
DCI One Year Accuracy	0.050 plus 0.005 (percent measurement plus percent of range)
ACI Ranges	100 uA to 10 A
ACI Maximum Resolution	100 pA
ACI One Year Accuracy	0.10 plus 0.04 (percent measurement plus percent of range)
ACI Frequency Bandwidth	3 Hz to 10 kHz
Frequency Period Range	3 Hz to 1 MHz
Frequency Maximum Resolution	1 uHz
Frequency Accuracy	0.01 percent
Capacitance Ranges	1 nF to 0.1 F
Capacitance Maximum Resolution	1 pF

PARAMETER	VALUE
Capacitance Accuracy	1 percent
Temperature Type	platinum RTD
Temperature Range	minus 200 C to plus 600 C
Temperature Maximum Resolution	0.01 degree
Temperature Accuracy	0.06 degree
Safety Category	CAT I 1000 V CAT II 600 V
Interfaces	RS-232 IEEE-488.2 Ethernet USB with optional adapter
Bandwidth	3 Hz to 300 kHz

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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Display Type	VFD dot matrix
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DCV Ranges	100 mV to 1000 V
DCV Maximum Resolution	100 nV
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DCI Maximum Resolution	100 pA
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ACI Ranges	100 uA to 10 A
ACI Maximum Resolution	100 pA
ACI One Year Accuracy	0.10 plus 0.04 (percent measurement plus percent of range)
ACI Frequency Bandwidth	3 Hz to 10 kHz
Frequency Period Range	3 Hz to 1 MHz
Frequency Maximum Resolution	1 uHz
Frequency Accuracy	0.01 percent
Capacitance Ranges	1 nF to 0.1 F
Capacitance Maximum Resolution	1 pF
Capacitance Accuracy	1 percent

PARAMETER	VALUE
Temperature Type	platinum RTD
Temperature Range	minus 200 C to plus 600 C
Temperature Maximum Resolution	0.01 degree
Temperature Accuracy	0.06 degree
Safety Category	CAT I 1000 V CAT II 600 V
Interfaces	RS-232 IEEE-488.2 Ethernet USB with optional adapter

Notes

Summary one-year accuracies from Fluke 8845A/8846A Digital Multimeters brochure. Detailed range-by-range tables and NPLC noise adders are in the 8845A/8846A users and calibration manuals; faceplate and certificate remain authoritative for a specific 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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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.