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Data Sheet
August 14, 2026

FLUKE

Fluke 88-5 Deluxe Automotive Multimeter

The Fluke 88 Series V (88V / 88-5 automotive lineage) isadeluxe automotive digital multimeter for conventional and hybrid vehicle diagnostics. Official Fluke 88V specifications list DC voltage accuracy plus or minus (0.1 percent plus 1) to 1000 V, AC voltage plus or minus (0.5 percent plus 2) with 5 kHz bandwidth, current to 10 A (20 A for 30 s), resistance to 50 Mohm, capacitance to 9999 uF, frequency to 200 kHz, and temperature minus 200 C to 1090 C excluding probe. Automotive electrical troubleshooting, RPM and millisecond pulse-width measurements for injectors with appropriate accessories, hybrid vehicle voltage current checks, and shop floor continuity diode and duty-cycle diagnostics. Temperature Measurement Range: minus 200.0 C to 1090 C excluding probe Operating Temperature: minus 20 C to 55 C Overvoltage Category: CAT III 1000 V CAT IV 600 V Specifications from Fluke 88V Deluxe Automotive Multimeter official product pages. Queue slug fluke-88-5 maps to the SeriesVautomotive meter (88V); confirm exact faceplate marking 88V versus older 88-5 silkscreen.

MODEL	CALIBRATION
Fluke 88-5	Available on request
CONDITION	**STATUS**
Used	In stock
RFQ / SKU	**LISTING**
88-5	https://aumictechlabs.com/products/88-5-2/

NIST-traceable cal · SAM registered · 30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Fluke 88-5 Deluxe Automotive Multimeter delivers precision electrical diagnostics for conventional and hybrid vehicle systems. With 4.5-digit resolution and 20,000 counts, this meter measures AC/DC voltage to 1000 V, current to 10 A continuous (20 A for 30 seconds), and

resistance to 50 MΩ. Purpose-built for automotive technicians, it captures fuel injector pulse width with millisecond resolution, frequency to 200 kHz, and duty cycle percentage. The 10 MΩ input impedance protects vehicle computer circuits from damage. Technical Specifications Voltage: 1000 V AC and DC Current: 10 A continuous, 20 A (30 seconds maximum) AC/DC Resistance: 50 MΩ Frequency: 200 kHz Duty cycle measurement in percentage (%) Pulse width: Millisecond resolution for fuel injector analysis Temperature measurement: With optional probe RPM measurement: With optional inductive pickup Input impedance: 10 MΩ Display: 4.5 digits, 20,000 counts Peak transient capture: 250 µs response Key Features Min/Max/Average recording with automatic variation capture Peak Min/Max alert for transient detection Autohold™ for stable reading capture Analog bargraph tracks changing signals Two-level bright white backlight display Relative mode removes test lead resistance in low-ohm measurements Auto and manual range selection Diode and continuity testing Input alert with audible warning Category III (1000 V) and Category IV (600 V) overload protection on all inputs Surge protection rated to 8,000 V Ergonomic classic design, 7.93 in L × 3.86 in W × 2.06 in D Removable holster with integrated test lead and probe storage Quick-access battery door Optional magnetic hanger for hands-free operation Typical Applications Hybrid and conventional vehicle electrical troubleshooting Fuel injector pulse width and timing analysis Computer circuit diagnostics and signal measurement Transient and peak voltage capture Temperature monitoring with optional probe Compatibility & Integration Designed for high-energy hybrid vehicle environments. Compatible accessories include inductive pickup for RPM measurement, Type-K thermocouple surface probe, Fluke i410 AC/DC current clamp, and automotive test lead kits (TLK281 and TLK282). RoHS compliant. Meets EN 61010-1 international standards.

Features & description

From manufacturer datasheet

Built-in thermometer support

CAT III 1000 V / CAT IV 600 V safety ratings Technical Specifications DC Voltage Maximum: 1000 V DC Voltage Accuracy: plus or minus (0.1 percent plus 1) DC Voltage Best Resolution: 0.01 mV AC Voltage Maximum: 1000 V AC Voltage Accuracy: plus or minus (0.5 percent plus 2) AC Bandwidth: 5 kHz AC Voltage Best Resolution: 0.01 mV DC Current Maximum: 10 A (20 A for 30 seconds maximum) DC Current Accuracy: plus or minus (0.4 percent plus 2) DC Current Best Resolution: 0.001 mA AC Current Maximum: 10 A AC Current Accuracy: plus or minus (1.2 percent plus 2) AC Current Best Resolution: 0.001 mA Resistance Maximum: 50 Mohm Resistance Accuracy: plus or minus (0.4 percent plus 1) Resistance Best Resolution: 0.1 ohm Capacitance Maximum: 9999 uF Capacitance Accuracy: plus or minus (1 percent plus 2) Capacitance Best Resolution: 0.01 nF Frequency Maximum: 200 kHz Frequency Accuracy: plus or minus (0.005 percent plus 1) Frequency Best Resolution: 0.01 Hz Duty Cycle Maximum: 99.9 percent Conductance Maximum: 60.00 nS Temperature Measurement Range: minus 200.0 C to 1090 C excluding probe Operating Temperature: minus 20 C to 55 C Storage Temperature: minus 40 C to 60 C Size: 5.2 × 9.8 × 20.1 cm Weight: 624 g

88 Characteristics / Specifications

PARAMETER	VALUE
DC Voltage Maximum	1000 V
DC Voltage Accuracy	plus or minus (0.1 percent plus 1)
DC Voltage Best Resolution	0.01 mV
AC Voltage Maximum	1000 V
AC Voltage Accuracy	plus or minus (0.5 percent plus 2)
AC Bandwidth	5 kHz
AC Voltage Best Resolution	0.01 mV
DC Current Maximum	10 A (20 A for 30 seconds maximum)
DC Current Accuracy	plus or minus (0.4 percent plus 2)
DC Current Best Resolution	0.001 mA
AC Current Maximum	10 A
AC Current Accuracy	plus or minus (1.2 percent plus 2)
AC Current Best Resolution	0.001 mA
Resistance Maximum	50 Mohm
Resistance Accuracy	plus or minus (0.4 percent plus 1)
Resistance Best Resolution	0.1 ohm
Capacitance Maximum	9999 uF
Capacitance Accuracy	plus or minus (1 percent plus 2)
Capacitance Best Resolution	0.01 nF
Frequency Maximum	200 kHz
Frequency Accuracy	plus or minus (0.005 percent plus 1)
Frequency Best Resolution	0.01 Hz
Duty Cycle Maximum	99.9 percent
Conductance Maximum	60.00 nS
Temperature Measurement Range	minus 200.0 C to 1090 C excluding probe

PARAMETER	VALUE
Operating Temperature	minus 20 C to 55 C
Storage Temperature	minus 40 C to 60 C
Size	5.2 × 9.8 × 20.1 cm
Weight	624 g
Display Counts	6000
Overvoltage Category	CAT III 1000 V CAT IV 600 V
Bandwidth	5 kHz

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	minus 40 C to 60 C
Operating temperature	minus 20 C to 55 C
Operating Temperature	minus 20 C to 55 C
Size	5.2 × 9.8 × 20.1 cm
Weight	624 g
Display Counts	6000
Overvoltage Category	CAT III 1000 V CAT IV 600 V Notes Specifications from Fluke 88V Deluxe Automotive Multimeter official product pages. Queue slug fluke-88-5 maps to the SeriesVautomotive meter (88V); confirm exact faceplate marking 88V versus older 88-5 silkscreen.

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 list DC voltage accuracy plus or minus (0.1 percent plus 1) to 1000 V, AC voltage plus or minus (0.5 percent plus 2) with 5 kHz bandwidth, current to 10 A (20 A for 30 s), resistance to 50 Mohm, capacitance to 9999 uF, frequency to 200 kHz, and temperature minus 200 C to 1090 C excluding probe.

Applications
Automotive electrical troubleshooting, RPM and millisecond pulse-width measurements for injectors with appropriate accessories, hybrid vehicle voltage current checks, and shop floor continuity diode and duty-cycle diagnostics.

Key Features
Automotive pulse width RPM and duty-cycle functions
True-RMS style measurement set of the 80-seriesVplatform
Min/Max recording and Peak capture class
Built-in thermometer support
CAT III 1000 V / CAT IV 600 V safety ratings

Technical Specifications

Technical Specifications

PARAMETER	VALUE
DC Voltage Maximum	1000 V
DC Voltage Accuracy	plus or minus (0.1 percent plus 1)
DC Voltage Best Resolution	0.01 mV
AC Voltage Maximum	1000 V
AC Voltage Accuracy	plus or minus (0.5 percent plus 2)
AC Bandwidth	5 kHz
AC Voltage Best Resolution	0.01 mV
DC Current Maximum	10 A (20 A for 30 seconds maximum)
DC Current Accuracy	plus or minus (0.4 percent plus 2)
DC Current Best Resolution	0.001 mA
AC Current Maximum	10 A
AC Current Accuracy	plus or minus (1.2 percent plus 2)
AC Current Best Resolution	0.001 mA
Resistance Maximum	50 Mohm
Resistance Accuracy	plus or minus (0.4 percent plus 1)
Resistance Best Resolution	0.1 ohm
Capacitance Maximum	9999 uF
Capacitance Accuracy	plus or minus (1 percent plus 2)
Capacitance Best Resolution	0.01 nF

PARAMETER	VALUE
Frequency Maximum	200 kHz
Frequency Accuracy	plus or minus (0.005 percent plus 1)
Frequency Best Resolution	0.01 Hz
Duty Cycle Maximum	99.9 percent
Conductance Maximum	60.00 nS
Temperature Measurement Range	minus 200.0 C to 1090 C excluding probe
Operating Temperature	minus 20 C to 55 C
Storage Temperature	minus 40 C to 60 C
Size	5.2 x 9.8 x 20.1 cm
Weight	624 g
Display Counts	6000
Overvoltage Category	CAT III 1000 V CAT IV 600 V

Notes
Specifications from Fluke 88V Deluxe Automotive Multimeter official product pages. Queue slug fluke-88-5 maps to the SeriesVautomotive meter (88V); confirm exact faceplate marking 88V versus older 88-5 silkscreen.

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
788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
https://aumictechlabs.com

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