

TECHNICAL DATA

Fluke 88V Deluxe Automotive Multimeter



Key features

- Pulse width, duty cycle, Min/Max/Avg recording
- 10 meg ohm input impedance won't damage computer circuits
- Large display and bright backlight for increased visibility

Product overview: Fluke 88V Deluxe Automotive Multimeter

The Fluke 88V has improved measurement functions, trouble-shooting features and accuracy to solve more problems on conventional and hybrid vehicles. The 88V is the most powerful automotive [multimeter](#) ever offered by Fluke. In addition to having all standard multimeter features like the ability to measure voltage, current, continuity, and resistance, the 88V can perform diode test and pulse width measurements.

This meter can take current measurements up to 20 A for 30 seconds and 10 A continuously. The optional magnetic hanger lets you attach the meter to most steel surfaces for easy set-up and viewing. The 88V is designed to be used in high energy environments like those found on hybrid vehicles.

Measures

- Resistance, continuity and diode test
- Millisecond pulse width measurements for fuel injectors

- Frequency to 200 kHz and % duty cycle
- Measure up to 1000 V AC and DC
- Measure current up to 10 A, 20 A for up to 30 seconds
- 4 ½ digits for precise measurements
- RPM measurements with included inductive pickup
- Temperature measurements with optional temperature probe

Specifications: Fluke 88V Deluxe Automotive Multimeter

Technical Specifications		
DCV	Maximum voltage	1000 V
	Accuracy	$\pm(0.1\% + 1)$
	Best resolution	0.01 mV
ACV	Maximum voltage	1000 V
	Accuracy	$\pm(0.5\% + 2)$
	AC bandwidth	5 kHz
	Best resolution	0.01 mV
DC current	Maximum amps	10 A
	Amps accuracy	$\pm(0.4\% + 2)$
	Best resolution	0.001 mA
AC current	Maximum amps	10 A
	Amps accuracy	$\pm(1.2\% + 2)$
	Best resolution	0.001 mA
Resistance	Maximum resistance	50 M Ω
	Accuracy	$\pm(0.4\% + 1)$
	Best resolution	0.1 Ω
Capacitance	Maximum capacitance	9,999 μ F
	Accuracy	$\pm(1\% + 2)$
	Best resolution	0.01 nF
Frequency	Maximum frequency	200 KHz
	Accuracy	$\pm(0.005\% + 1)$
	Best resolution	0.01 Hz
Duty cycle	Maximum duty cycle	99.9%
	Accuracy	within 2% per KHz + 0.1%
	Best resolution	0.1%
Temperature measurement	-200.0°C – 1090°C -328.0°F – 1994.0°F, 1.0% excluding probe	

80 BK temperature probe	-40 °C – 260°C -40 °F – 500°F, 2.2°C or 2% whichever is greater	
Conductance	Maximum conductance	60.00 nS
	Accuracy	±(1.0% + 10)
	Maximum resolution	0.01 nS
Operating range	Operating temperature	-20°C – 55°C
	Storage temperature	-40°C – 60°C
Physical	5.2 x 9.8x 20.1 cm (2.06 x 3.86 x 7.93 in) 624 g (22 oz.)	

Ordering information



Fluke 88V

Fluke 88V Deluxe Automotive Multimeter

Includes:

- Fluke 88V Deluxe Automotive Multimeter
- High impact protective leather sheath
- Test lead set

Optional accessories

Fluke TLK281 SureGrip™ Automotive Test Lead Kit

Fluke C35 Soft Carrying Case

Fluke 80PK-27 SureGrip™ Industrial Surface Temperature Probe

Fluke TL82 Automotive Pin and Socket Adapter Set

Description

Complete set of test and measurement accessories designed especially for automotive specialists.

Type-K thermocouple for surfaces in rugged environment, durable ribbon sensor, measurement range: -127 to 600°C.

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