

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	<b>Maximum voltage</b>	1000 V
	Accuracy	$\pm(0.1\% + 1)$
	Best resolution	0.01 mV
ACV	<b>Maximum voltage</b>	1000 V
	Accuracy	$\pm(0.5\% + 2)$
	AC bandwidth	5 kHz
	Best resolution	0.01 mV
DC current	<b>Maximum amps</b>	10 A
	Amps accuracy	$\pm(0.4\% + 2)$
	Best resolution	0.001 mA
AC current	<b>Maximum amps</b>	10 A
	Amps accuracy	$\pm(1.2\% + 2)$
	Best resolution	0.001 mA
Resistance	<b>Maximum resistance</b>	50 M $\Omega$
	Accuracy	$\pm(0.4\% + 1)$
	Best resolution	0.1 $\Omega$
Capacitance	<b>Maximum capacitance</b>	9,999 $\mu$ F
	Accuracy	$\pm(1\% + 2)$
	Best resolution	0.01 nF
Frequency	<b>Maximum frequency</b>	200 KHz
	Accuracy	$\pm(0.005\% + 1)$
	Best resolution	0.01 Hz
Duty cycle	<b>Maximum duty cycle</b>	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	<b>Maximum conductance</b>	60.00 nS
	Accuracy	±(1.0% + 10)
	Maximum resolution	0.01 nS
Operating range	<b>Operating temperature</b>	-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.

Case top opens laterally to allow use of test tool without removing it from the case and includes a strap to secure the test tool.

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

An absolute must-have for work on Asian or European vehicles. This collection of male and female adapters allows you to make firm connection to pin and socket connectors.

**Fluke.** *Keeping your world up and running.*®

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