TECHNICAL DATA

Automotive Multimeters: Fluke 88V/A Automotive Multimeter Combo Kit



Key features

Features for maximum productivity

- Built-in thermometer conveniently allows you to take temperature readings without having to carry a separate instrument
- Magnetic hanger (included with kit) for easy set-up and viewing while freeing your hands for other tasks
- Peak min/max to capture intermittent events as short as 250 micro seconds
- Large digit display with bright, two-level backlight makes the Fluke 88V significantly easier to read than the old Fluke 88

Product overview: Automotive Multimeters: Fluke 88V/A Automotive Multimeter Combo Kit

A complete automotive diagnostic package with everything you need in an automotive multimeter. Fluke 88V has replaced the 88.

The Fluke 88V has improved measurement functions, troubleshooting features and accuracy to solve more problems on conventional and hybrid vehicles. The 88V is made in the U.S.A. and carries the industry leading lifetime warranty.

The Fluke 88V operates very similar to the classic Fluke 88, but with more problem solving power, safety, convenience and impact protection.

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1000 V. They can withstand impulses in excess of 8,000 V and reduce risks related to surges and spikes.

Other useful features:

- Lifetime warranty
- 6000 counts, 3-3/4 digits
- Measure up to 1000 V AC and DC
- Measure up to 10 A, 20 A for up to 30 seconds
- Built in thermometer lets you carry one less tool (temperature probe included)
- Frequency to 200 kHz and % duty cycle
- Resistance, continuity
- RPM measurements with inductive pickup
- Millisecond pulse width measurements for fuel injectors
- Magnet hanger to attach meter to the vehicle and free your hands for other tasks
- 10,000 µF capacitance range for components and motor caps
- Min/Max-Average recording with Min/Max Alert to capture variations automatically
- Peak capture to record transients as fast as 250 µs
- Relative mode to remove test lead interference from low ohms measurements
- Auto and manual ranging for maximum flexibility
- Touch Hold to capture stable readings avoiding noisy signals
- Large display digits and two-level bright white backlight for increased visibility
- Analog bargraph for fast changing or unstable signals
- Input Alert provides audible warning against wrong use of input jacks
- Improved selectable sleep mode for long battery life
- Access door for fast battery changes without opening up the case
- "Classic" design with new removable holster with built in test lead and probe storage
- 10 meg ohm input impedance wont load circuits
- 0.1% DC accuracy

Position the meter in the most usable location with the magnetic hanger

The holster on the new Fluke 88V accepts a small but extremely powerful magnet (Fluke Tpak) that holds the meter firmly to most steel surfaces. This allows you to focus on taking measurements instead of holding the meter in your hand.

Electrical safety

All inputs are protected to Category III, 1000 V and Category IV 600 V. They can withstand impulses in excess of 8,000 V and reduce risks related to surges

Specifications: Automotive Multimeters: Fluke 88V/A Automotive Multimeter Combo Kit

Technical Specifications		
DCV	**Maximum Voltage**	1000 V
	Accuracy	±(0.1% + 1)
	Best Resolution	0.01 mV

ACV	**Maximum Voltage**	1000 V
	Accuracy	±(0.5% + 2)
	AC Bandwidth	5 kHz
	Best Resolution	0.01 mV
DC Current	**Maximum Amps**	10 A
	Amps Accuracy	±(0.4% + 2)
	Best Resolution	0.001 mA
AC Current	**Maximum Amps**	10 A
	Amps Accuracy	±(1.2% + 2)
	Best Resolution	0.001 mA
Resistance	**Maximum Resistance**	50 MΩ
	Accuracy	±(0.4% + 1)
	Best Resolution	0.1Ω
Capacitance	**Maximum Capacitance**	9,999 µF
	Accuracy	±(1% + 2)
	Best Resolution	0.01 nF
Frequency	**Maximum Frequency**	200 KHz
	Accuracy	±(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 9.8 x 20.1 cm (2.06 x 3.86 x 7.93 in) 624 g (22 oz)	

Ordering information



Fluke 88V/A Kit

Fluke 88V/A Automotive Multimeter Combo Kit

Includes:

- 88V Automotive Multimeter
- TL224 silicone test leads
- AC285 long reach alligator clips
- TP220 test probes
- RPM 80 inductive RPM
- TPAK ToolPak™ Magnetic Meter Hanging Kit
- 80BK temperature probe
- Two automotive backprobe pins Insulation
- piercing probe
- Carrying case
- Holster
- 9V battery (installed)
- Getting started manual
- CD with detailed manual