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Listed to Standard
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EEDM512CK

Auto-ranging Automotive Digital Multimeter Kit



...CK is the same as the ...BK, **except** now includes adapter, MT5810, capable of measuring up to 10 amps using DC mV.

General:

Performs standard automotive electrical tests including frequency, duty-cycle, dwell, millisecond pulse-width, & RPM.

Features:

- Small Size allows access in tight areas
- High Contrast Display is easy to read in subdued lighting
- Adjustable Trigger Slope & Levels enhances measurement stability with noisy signals
- Triggers on 1 to 8 Cylinders for either 2 or 4 cycle conventional engines
- Extremely Rugged — will survive drops & impact that would destroy other meters
- Compatible with EDM506B Temperature Adapter to allow testing of radiators & AC inlet/outlet temperatures
- Compatible with EETA501B Current Clamp Adapter for high current measurements
- Data Hold

Includes:

- Current Adapter MT5810
- Test Leads w/clips EEDM504B3
- Hard Case MT586BK1
- Boot EEDM501B3
- Inductive Pick-up EEDM512B1
- Manual ZEEDM512B

Specifications:

Function	Range	Resolution	Accuracy	Impedance
DC Volts	4.000V	0.001V	±0.5% rgd, ±2 digits	10M
	40.00V	0.01V		
	400.0V	0.1V		
	600.0V	1.0V		
DC Millivolts	400.0mV	0.1mV	±0.5% rgd, ±2 digits	10M
AC Volts	4.000V	0.001V	±0.75% rgd, ±3 digits (45Hz-450Hz)	10M
	40.00V	0.01V		
	400.0V	0.1V		
	600.0V	1.0V		
Ohms	400	0.1	±0.75% rgd, ±3 digits	
	4.000K	0.001K		
	40.00K	0.01K		
	400.0K	0.1K		
	4.000M	0.001M		
Continuity	1.2V, 100 digits			

Function	Range	Resolution	Accuracy	Pulse-width Range†	Resolution
Frequency	199.99* *	0.01 Hz	±0.05% rgd	1999.9	0.1
	(0.5Hz to 200kHz)	1,999.9* *			
pulse-width	199.99 kHz	0.001 kHz	+ 2 digits	—	—
	>5µS)	200 kHz	0.0 kHz	—	—
RPM	30-9,000	1 RPM	±2 RPM		

% Duty Cycle* 0.0-99.9% (30 RPM to 19,999 RPM, Pulse-width >5µS)
Dwell* 0.0-356.4° (30 RPM to 19,999 RPM, Pulse-width >5µS)
Pulse-width* 0.2-1999mS (30 RPM to 19,999 RPM, Pulse-width >5µS)

† Pulse-width is determined by RPM.

* For rise > 1µS. Duty Cycle accuracy: within ±(0.2% per kHz + 0.1%)
 Pulse-width accuracy: Duty Cycle accuracy + 1 digit

** The automotive frequency (Hz) measurement mode has only these 2 range specs

Optional Accessories:

- Clamp-on Current Probe EETA501B • Temperature Adapter EEDM506B
- Surface Temperature Probe EETA502A
- Air Temperature Probe EETA503A • Soft Case MT596AK1
- Boot Hook EEDM501B2



WARNING

- Wear safety goggles (user & bystanders).
- Read instructions before using.