MD 9035 Automotive Multimeter Designed to Work On Real-World Car Signals





DEFEIRINGER

Metrel MD 9035 is a unique automotive multimeter top class with many exciting features, such as: Selectable 4-stroke, 4-DIS/2-stroke, & 2-DIS engine RPM; Selectable Trig (+)/Trig- on % & ms readings; Selectable Sensitivity-Levels on RPM, Dwell, % & ms readings, BeepJack warning, Backlit display and Display hold. MD 9035 is also equipped with automatic range selection and extra fast analog bar-graph.

MEASURING FUNCTIONS:

- AC, DC voltage measurement;
- AC, DC current measurement;
- Capacitance measurement;
- Resistance measurement;
- Diode test;
- Both IP (inductive) & IG (contact) RPM;
- ms Fuel-injection on time;
- % Duty cycle;
- Dwell angle;
- Line-Level Hz (ACV, DCV);
- Frequency measurement;
- Continuity test (acoustic signaling);
- Electric field detection;
- Temperature measurement.

KEY FEATURES:

- Line-Level: measures frequency from 10 Hz to 50 kHz.
- Auto-ranging: user can switch between auto and manual ranging.
- Hold: data hold function freezes the display for later view.
- Pickup clip: Inductive pickup clip accessory for IP-RPM Function.
- 4 Selectable Trigger-Levels: For IP-RPM, IG-RPM, Dwell, %-Duty and ms Functions.
- Selectable Trigger: Positive (+) or Negative (-) Trigger for %-Duty and ms Functions.
- Selectable Cylinders: 1, 2, 3, 4, 5, 6, 8, 10 or 12 Cylinders for Dwell and IG-RPM functions.
- Safe: CAT II / 1000 V, overvoltage protection.

APPLICATION:

- Automotive industry;
- High level industrial testing;
- High level electronic fault finding;
- Field servicing.



Technical specifications

Function	Range	Accuracy		
DC Voltage	60.00 mV1000 V	From \pm (0.4% of reading + 3 digits) to \pm (0.7% of reading + 3 digits)		
AC Voltage (50 Hz ~ 500 Hz)	60.00 mV1000 V	From \pm (2.0% of reading + 5 digits) to \pm (2.2% of reading + 5 digits)		
DC Current	600.0 μA10.00 A	From $\pm(0.7\%$ of reading + 3 digits) to $\pm(0.5\%$ of reading + 3 digits)		
AC Current (50 Hz ~ 500 Hz)	600.0 μA…10.00 A	From \pm (2.2% of reading + 5 digits) to \pm (1.2% of reading + 5 digits)		
Diode Test	1.000V	±(1.0% of reading + 3 digits)		
	Open-circuit voltage < 1.6 V DC, Test current 0.50 mA			
Resistance	600.0 Ω 60.00 MΩ	From $\pm (0.5\%)$ of reading + 6 digits) to $\pm (1.5\%)$ of reading + 5 digits)		
Capacitance	6.000 μF2000 μF	From \pm (2.0% of reading + 5 digits) to \pm (4.0% of reading + 5 digits)		
Temperature	-50 °C1000 °C	±(0.5% of reading + 3 digits)		
	-58 °F1832 °F	±(0.5% of reading + 6 digits)		
IP-RPM	RPM 4 (24020000 RPM)	±(2RPM)		
	RPM 2 (12010000 RPM)			
	RPM 2M (605000 RPM)			
IG-RPM	RPM 4 (6020000 RPM)	±(2RPM)		
	RPM 2 (3010000 RPM)			
	RPM 2M (155000 RPM)			
Dwell	0.0 ° 360.0 °	±(1.2 °/krpm + 1 digit)		
	0.0 %100.0 %	±(0.04% /krpm /cyl + 2 digits)		
Fuel injection-ms detector	PFI / Multi Point Injection			
	0.05 ms250.0 ms	±(0.05 ms + 1 digit)		
	0.0 %100.0 %	±(0.04 % /krpm + 2 digits)		
	TBI / Single Point Injection			
	0.05 ms 250.0 ms	±(0.05 ms + 1 digit)		
	0.0 % 100.0%	±(0.04 % /krpm /cyl + 2 digits)		
Function		Range	Sensitivity (Sin RMS)	Accuracy
Hz (Line-level) @ ACV & DCV	6 V	10 Hz10 kHz	0.5 V	±(0.1 % + 3 digits)
	60 V	10 Hz50 kHz	5 V	
	600 V		50 V	
	1000 V	45 Hz1 kHz	500 V	
Power supply	2 x 1.5 V batteries, type AAA			
Overvoltage category	CAT II / 1000 V			
Dimensions	161 x 80 x 50 mm			
Weight	340 g			



- Multimeter MD 9035 with rubber holster
- Test lead with probe, 2 pcs
- •Thermocouple probe, type K
- Inductive pickup clip
- 1.5 V battery, type AAA, 2 pcs
- Instruction manual
- Warranty

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