

*DWELL, Tach., Point, ohms, DC/AC, V/A, Temp., Continuity beeper, Diode, Hz, Data Hold, Record, RS232, Full line optional accessories*

# **AUTOMOTIVE TESTER**

**Model : DM-9031**

*ISO-9001, CE, IEC1010*



**LUTRON ELECTRONIC**

*The Art of Measurement*

# AUTOMOTIVE TESTER

Model : DM-9031

GENERAL SPECIFICATIONS	
Display	67 mm x 27 mm large LCD display. 18 mm x 7.5 mm, digit size.
Measurement	ACV, ACA, DCV, DCA, Resistance, continuity beeper, Hz, Dwell, Tachometer, diode, temperature (°C & °F), Point, Data hold.
Circuit	Exclusive microprocessor circuit.
Data hold	To freeze the display reading on the LCD display.
Memory Recall	Records Maximum & Minimum readings with recall.
Data Output	RS 232 PC serial interface.
Zero Adjustment	Automatic.
Polarity	Automatic Switching, " - " indicates negative polarity.
Over-input	Display shows " - - - - " or " _ _ _ _ ".
Sampling Time	Approx. 0.5 to 1 second.
Operating Temp.	0 °C to 50 °C (32 °F to 122 °F).
Operating Humidity	Max. 80% RH.
Power Supply	006P DC 9V, MN1604/PP3 battery or equivalent. Heavy duty or Alkaline type.
Power Consumption	Approx. DC 6.3 mA.
Dimension	204 x 90 x 36 mm ( 8.0 x 3.5 x 1.4 inch ).
Weight	340 g/0.75 LB.
Accessories Included	Red and Black Test Leads..... 1 pair. Instruction Manual..... 1 PC.
Optional accessories	Full line adapters : 1000 A, 2000 A ACA/DAC current adapter, Tachometer adapter, IR adapter, Humidity adapter, Pressure adapter, Light adapter, EMF adapter, Sound adapter, High voltage probe... Temp. probe : Type K, TP-01, TP-02A, TP-03, TP-04. RPM inductive pick sensor : IP-07, IP-09. Software ( Windows version )..... SW-U801-WIN RS232 cable..... UPCB-02 USB cable..... USB-01 Carrying case : Soft carrying case. Size : 190 x 90 x 55 mm..... CA-03 Soft carrying case with sash. Size : 260 x 110 x 55 mm..... CA-05A

ELECTRICAL SPECIFICATIONS	
R ( resistance )	20 M x 0.01 M, 2 M x 0.001 M, 200 K x 0.1 K, 20 K x 0.01 K, 2 K x 0.001 K, 200 x 0.1 ohm .
ACV	600 ACV x 1 ACV, 200 ACV x 0.1 ACV, 20 ACV x 0.01 ACV, 2 ACV x 0.001 ACV, 200 AC mV x 0.1 AC mV.
DCV	600 DCV x 1 DCV, 200 DCV x 0.1 DCV, 20 DCV x 0.01 DCV, 2 DCV x 1 DC mV, 200 DC mV x 0.1 DC mV.
ACA	10 ACA x 0.01 ACA.
DCA	10 DCA x 0.01 DCA.
Hz	Auto range, 1.999 KHz x 1 Hz, 19.99 KHz x 10 Hz, 199.9 KHz x 0.1 KHz, 900 KHz x 1 KHz.
Temperature ( °C )	Type K thermocouple, -200 to 1230 °C.
Temperature ( °F )	Type K thermocouple, -328 to 2246 .
Point	To test the point condition, " Good " or " Failure ".
Dwell	0 - 120 degree ( 3 CYL. ), 0 - 90 degree ( 4 CYL. ), 0 - 72 degree ( 5 CYL. ) 0 - 60 degree ( 6 CYL. ), 0 - 45 degree ( 8 CYL. ). <i>CYL. : cylinder</i>
Tachometer	Secondary tach. test method, no matter what the cylinder no. is. Measuring range : 100 RPM to 9,999 RPM. Resolution : 1/10/100 RPM.
Continuity beeper	A continuity test beeper is standard, when checking short or open circuit, it is not necessary to look at the meter. The beeper sounds if continuity is present.
Adapter range and adapter button	Cooperate the optional full line adapters, push the " Adapter button " able to adjust decimal point to get the right display value exactly.
RS-232 interface	Isolated ( photo couple ) RS232 serial computer interface , 9600 baud rate.

\* Appearance and specifications listed in this brochure are subject to change without notice.

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