

intelligent function, RS-232

LCR + DMM

Model : DM-9093

ISO-9001, CE, IEC1010

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The Art of Measurement

RS-232

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Model : DM-9093

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Display	67 mm x 27 mm large LCD display, 18 mm x 7.5 mm, digit size.
Measurement	Inductance, Capacitance, Resistance, ACV, ACA, DCV, DCA, continuity beeper, diode, temperature (°C & °F), hFE, 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.
Alarm setting	To preset the desired alarm setting value.
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 to 50 °C (32 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 16 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 0.5 Amp Spare Fuse. 1 PC 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, High voltage probe, EMF adapter Type K temperature probes : TP-01, TP-02A, TP-03, TP-04. Software (Windows version). SW-U101-WIN USB cable. USB-01 RS232 cable. UPCB-02 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

L (Inductance)	20 H x 0.01 H, 2 H x 0.001 H, 200 mH x 0.1 mH, 20 mH x 0.01 mH, 2 mH x 0.001 mH.
C (Capacitance)	20 uF x 0.01 uF, 2 uF x 0.001 uF, 200 nF x 0.1 nF, 20 nF x 0.01 nF, 2 nF x 1 pF.
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 ACV x 0.001 ACV, 200 AC mV x 0.1 AC mV.
ACA	10 ACA x 0.01 ACA, 200 AC mA x 0.1 AC mA, 20 AC mA x 0.01 AC mA, 2 AC mA x 1 AC uA, 200 AC uA x 0.1 AC uA

DCA	10 DCA x 0.01 DCA, 200 DC mA x 0.1 DC mA, 20 DC mA x 0.01 DC mA, 2 DC mA x 1 DC uA, 200 DC uA x 0.1 DC uA
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 °C to 1230 °C.
Temperature (°F)	Type K thermocouple, -328 °F to 2246 °F.
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.
TRANSISTOR hFE	0 - 1000 hFE values of either p.n.p. or n.p.n. transistor. (Test condition : base dc current approx. 10 uA, VCE: approx. 2.8 V).
RS-232 interface	Isolated (photo couple) RS-232 serial data output, 9600 baud rate.
Adapter range & adapter button	To cooperate the optional full line adapters, push the " Adapter button " will select the right decimal point to get the right display.

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

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