

*SD card real time data recorder
+ Temp., 6,000 counts*



MULTIMETER + LCR

Model : DM-9962SD

ISO-9001, CE, IEC1010



Holster, HS-03



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FEATURES

* Real time data logger, save the data into the micro SD memory card and can be downloaded to the Excel, extra software is no need.
* Real time data logger, built-in clock (year/ month/ date/ hour minute/ second), sample time 2 to 3600 seconds
* Meet IEC 1010 CAT III 1000 V safety requirement.
* LCD with green light backligh, easy reading.
* 6000 counts A/D, high resolution.
* Accepts micro SD memory cards of up to 32 GB capacity.
* Multi function measurement. DCV, ACV, DCA, ACA, Resistance, Capacitance, Inductance, Frequency, Temperature, Diode, Continuity beeper.
* Max. & Min. measurement value with recall.
* Relative, Data hold.
* Auto range with manual range selection.
* Temperature measurement possibility.
* V/A/Hz button, when execute the ACV, ACA function also can measure the frequency of signal.
* Both 10 A, mA, uA current are build fuse for safety consideration.
* 10 M ohm impedance for voltage circuit.
* Operates from 9 V (006P, MIN1604) batteries.
* Built-in overload protection for most ranges.
* Photo couple RS 232 computer serial interface.
* Uses durable, long-lasting components, enclosed in strong, light weight ABS-plastic housing.
* Full line optional adapters : Clamp adapter, Tachometer adapter, Pressure adapter, Humidity Adapter, Sound level adapter, Anemometer adapter, Light adapter, EMF adapter.

ELECTRICAL SPECIFICATIONS (23± 5 °C)

DC Voltage

Range	600.0 mV / 6 V/60 V/600 V /1000 V
Resolution	0.1 mV /0.001V /0.01V /0.1V/1 V
Accuracy	± (0.5% + 2d) 600 mV ± (0.8% + 1d) 6 V, 60 V, 600 V, 1000 V
Input impedance	10 M ohm.
Over load protection	600 mV range ± 380 DCV, 380 ACV other ranges ± 1000 DCV, 1000 ACV

AC Voltage (True RMS)

Range	600.0 mV / 6 V/60 V/600 V /1000 V
Resolution	0.1 mV /0.001V /0.01V /0.1V/1 V
Accuracy	± (1% + 2d) * Spec. are tested under 50/60 Hz.
Input impedance	10 M ohm.
Over load protection	600 mV range ± 380 DCV, 380 ACV other ranges ± 1000 DCV, 1000 ACV

DC Current, AC Current (True RMS)

Range	10 A/6 A/600 mA/60 mA/6000 uA/600 uA
Resolution	0.01 A/0.001 A/0.1 mA/0.01 mA/1 uA/0.1 uA
Accuracy	DCA ACA 600 uA ± (0.5 % + 2d) ± (1 % + 7d) 6000 uA ± (0.5 % + 2d) ± (1 % + 7d) 60 mA ± (0.5 % + 2d) ± (1 % + 7d) 600 mA ± (0.5 % + 2d) ± (1 % + 7d) 6 A ± (1.5 % + 5d) ± (1.5% + 5d) 10 A ± (1.5 % + 2d) ± (1.5 % + 2d) * ACA spec. are tested under 50/60 Hz.
Over load protection	10A range : 10A fuse. uA, mA range : 630 mA fuse.

Diode (Forward voltage, VF)

Range	2.9 V DC.
Accuracy	± (0.5 % + 2d)

Capacitance

Auto Range	600 pF/6 nF/60 nF/600 nF/6 uF/60 uF/100 uF/600 uF
Resolution	0.1 pF/0.001 nF/0.01nF/0.1 nF/0.001 uF/ 0.01 uF/0.1 uF/1 uF
Accuracy	600 pF ± (2.5% + 5d) 6 nF/60 nF/600 nF/ ± (1.5% + 5d) 6 uF/60 uF ± (2.5% + 5d)
Over load protection	± 30 DCV, 30 ACV.
Test frequency	100Hz /1KHz /10KHz * Auto frequency configuration
Remark	Discharge capacitor before testing.

Inductance

Auto Range	600 uH/6 mH/60 mH/600 mH/6 H/60 H/100 H
Resolution	0.1uH/0.001mH/0.01 mH/0.1 mH/0.001 H/ 0.01 H/0.1 H
Test frequency	100Hz /1KHz /10KHz * Auto frequency configuration
Accuracy	600 uH ± (5% + 5d) 6 mH/60 mH/600 mH/ ± (1.5% + 5d) 6 H ± (2.5% + 5d)
Over load protection	± 30 DCV, 30 ACV.

Frequency

Range	600 Hz/6 KHz/60 KHz/600 KHz/6 MHz/20 MHz
Resolution	0.1 Hz/0.001 KHz/0.01 KHz/0.1 KHz/ 0.001 MHz/0.01 MHz
Accuracy	± (0.5% + 2d)
Sensitivity	Min. 1 V rms, Max. 5 V rms.

OHMS

Range	600 Ω /6 KΩ /60 KΩ /600 KΩ /6 MΩ /60 MΩ
Resolution	0.1Ω /0.001 KΩ /0.01 KΩ /0.1 KΩ /0.001 MΩ / 0.01 MΩ
Accuracy	600 ohm : ± (1% + 2d) 6K/60K/600K/6 M : ± (1.5% + 2d) 60 M : ± (3% + 5d)
Over load protection	± 350 DCV, 350 ACV.

Continuity Beeper

Beeper will sound if measured resistance less than 20 ohm.

Max. & Min. Measurement

During the operation can memorize the maximum and the minimum measurement value.

Temperature

Auto Range	Resolution	Accuracy
-100.0 °C to 199.9 °C	0.1 °C	± (1% + 1 °C)
200 °C to 1000 °C	1 °C	
-148 °F to 391.9 °F	0.1 °F	± (1% + 2 °F)
392 °F to 1832 °F	1 °F	
Temp. probe	The temperature probe (TP-11) is the optional accessory.	

Optional accessories	* Full line adapters : ACA/DCA current adapter, Pressure adapter, Light adapter, EMF adapter, Sound level adapter, High voltage probe.
	* AC to DC 9V adapter.....AP-9VA
	* Holster.....HS-03
	* Type K Temperature probe.....TP-11
	* Soft carrying case.....CA-05A
	* RS232 cable.....UPCB-06
	* USB cable.....USB-11
	* Micro SD card.....AC-MICROSD

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

1608-DM9962SD