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

MULTIMETER + LCR

Model: DM-9962SD *ISO-9001*, *CE*, *IEC1010*











The Art of Measurement

MULTIMETER, + LCR

Model: DM-9962SD

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

* Real time data logger, built-in clock (year/ month/date/hour minute/second), sample time 1 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.
 VAHz 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.

GENERAL SPECIFICATIONS

CENTERIAL OF LOTE			
Display	60 mm x 39.5 mm large LCD display		
Measurement	DCV, ACV, DCA, ACA, Resistance, Diode,		
	Continuity beeper, Capacitance, Inductance,		
	Frequency, Temperature.		
Datalogger	Auto 1 second to 3600 seconds		
Datalogger			
Sampling Time	@ Sampling time can set to 1 second,		
Setting range	but memory data may loss.		
	Manual Push the data logger button		
	once will save data one time.		
	@ Set the sampling time to 0 second.		
Data error no.	≤0.1% of total saved data max.		
micro SD card	1 GB to 32 GB		
	1 GB to 32 GB		
Capacity			
A/D counts no.	6000 counts.		
Range selection	Auto range with manual range selecting.		
Special function	Relative measurement, Data hold,		
Data hold	To freeze the display reading on the		
	LCD display.		
Power On/Off	Auto power of or manual power off.		
management	hate power or or manage power on:		
	Records Maximum & Minimum readings		
Memory recall			
	with recall.		
Relative	To offset the measurement value.		
measurement			
VAHz button	When execute the voltage or current		
	function also can measure the frequency		
	of signal.		
Data output	RS 232 PC serial interface, photo couple.		
Polarity	Automatic Switching, " - " indicates		
lolarity			
Zara adjustment	negative polarity.		
Zero adjustment	Automatic.		
Sampling time	Automatic. Approx. 0.5 to 1 second.		
Sampling time Operating	Automatic. Approx. 0.5 to 1 second. 0 °C to 50 °C (32 °F to 122 °F),		
Sampling time Operating Temp. & humidity	Automatic. Approx. 0.5 to 1 second. 0 °C to 50 °C (32 °F to 122 °F), Max. 80% RH.		
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ELECTRICAL SPECIFICATIONS (23±5 ℃)

DC Voltage

D	COO O
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	600 mV range ± 500 DCV, 350 ACV
protection	other ranges ± 1000 DCV, 1000 ACV

AC Voltage (True RMS)

no voltage (in ac Rivio)			
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 test	ted under 50/60 Hz.	
Input impedance	10 M ohm.		
Over load	600 mV range	± 500 DCV, 350 ACV	
protection	other ranges	± 1000 DCV, 1000 ACV	

DC Current AC Current (True PMS)

DC Current, AC	current (True Rivis)	
Range	10 A/6 A/600 mA/60 mA/6000 uA/600 uA		
Resolution	0.01 A/0	.001 A/0.1 mA/0.0	1 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 % + 2d)	± (1.5% + 2d)
	10 A	± (1.5 % + 2d)	± (1.5 % + 2d)
	* ACA sp	ec. are tested unde	er 50/60 Hz.
Over load	10A rang	e: 10A fuse.	
protection	uA, mA r	ange: 630 mA fus	e.

Diode (Forward voltage, VF)

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

600 pF/6 nF/60 nF/600 nF/6 uF/60 uF/600 uF		
0.1 pF/0.001 nF/0.01nF/0.1 nF/0.001 uF/		
0.01 uF/0.1 uF		
600 pF	± (2.5% + 5d)	
6 nF/60 nF/600 nF/	± (1.5% + 5d)	
6 uF/60 uF		
600 uF	± (2.5% + 5d)	
± 30 DCV, 30 ACV.		
100Hz /1KHz /10KHz		
* Auto frequency configu	ration	
Discharge capacitor before testing.		
	0.1 pF/0.001 nF/0.01nF/0 0.01 uF/0.1 uF 600 pF 6 nF/60 nF/600 nF/ 6 uF/60 uF 600 uF ± 30 DCV, 30 ACV. 100Hz /1KHz /10KHz * Auto frequency configu	

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 configu	uration	
	600 uH	± (2.5% + 5d)	
Accuracy	6 mH/60 mH/600 mH/	± (1.5% + 5d)	
	6 H		
	60 H/100 H	± (2.5% + 5d)	

ricquericy	
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.

онмѕ

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

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	-100.0 ℃ to 1200 ℃ to 1000 ℃
Resolution	0.1 ℃ 1 ℃
Accuracy	± (1% + 1°C)
Temp. probe	The temperature probe (TP-11) is the
	optional accessory.