MULTIMETER smart

Model: DM-9950 *ISO-9001, CE, IEC1010*



MULTIMETER, smart

Model: DM-9950

* Smart operation, 5 intelligent functions:

V: Smart ACV/DCV Automatically.

 $\boldsymbol{\Omega}$: Resistance, Diode, Continuity, Capacitance.

Automatically.

uA : Smart ACA/ DCA Automatically.

mA: Smart ACA/DCA Automatically.

10A: Smart ACA/DCA.

* Function keys: Select, Hz, Max/Min, Range, Hold.

- * Auto power off.
- * CAT III 1000V, CAT IV 600V.
- * Size :192 mm X 90 mm X 41 mm.
- * Power: DC 9V battery (006 P).
- * Optional holster, HS-03.





The Art of Measurement

SMART MULTIMETER

Model: DM-9950

FEATURES

* Digital multimeter with smart function.
* Hybrid power, meter also can supply by the battery.
* Meet CAT III-1000 V.
* 6000 counts A/D, high resolution.
* ACV, ACA, DCV, DCA, ohms, continuity, Hz,
Capacitance, Diode, Data hold.
* Smart function, Auto range or manual range with hold.
* Smart operation, Build in 5 intelligent function :
" V ", " Ω ", "uA", " mA ", " 10A ".
* " V " function can select ACV, DCV automatically with
auto range.
* " Ω " function can select the Resistance , Diode,
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Continuity beeper, Capacitance automatically with auto range. * " 10A " " mA " "uA" function can measure ACA, DCA with
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GENERAL SPECIFICATIONS

Display	64 mm x 47 mm large LCD display.	
Measurement	ACV, ACA, DCV, DCA, ohms, continuity	
	beeper, Hz, Capacitance, Diode,	
	Data hold.	
A/D counts no.	6000 counts.	
Range selection	Smart function, auto range or manual	
	range selecting.	
Smart function	" V " function can select ACV, DCV	
	automatically with auto range.	
	$\parallel \Omega \parallel$ function can select the Resistance,	
	Diode, Continuity beeper, Capacitance	
	automatically with auto range. " 10A " " mA " "uA" function can	
	" 10A " " mA " "uA" function can	
	measure ACA, DCA with auto range.	
Data hold	To freeze the display reading on the	
	LCD display.	
	* Available for auto range only.	
Power On/Off	If meter is not operated within 10	
management	minutes will auto power switch off.	
Polarity	Automatic Switching, " - " indicates	
	negative polarity.	
Zero adjustment	Automatic.	
Sampling time	Approx. 0.5 to 1 second.	
Operating	0 to 50 °C (32 to 122 °F).	
temperature		
Operating	Less than 80% RH.	
humidity		
Power supply	006P DC 9V battery.	
Power consumption	DC 3 mA approximately.	
Weight	350 g/0.77 LB.	
Dimension	185 x 88 x 40 mm	
	(7.3 x 3.5 x 1.6 inch)	
Accessories	Red and Black Test Leads 1 Set	
included	Instruction Manual 1 PC	

Optional	Full line adapters :
accessories	* ACA/DCA current adapter :
	CA-502, CA-203, CA-501
	* ACA current adapter : CA-201
	* Flexible current probes :
	CP-2011, CP-3001, CP-6001
	* Pressure adapter : PS-403
	* Light adapter : LX-02
	* EMF adapter : EMF-824
	* Sound level adapter : SL-406
	* High voltage probe : HV-40

ELECTRICAL SPECIFICATIONS (23±5°C)

DC/AC Voltage	* auto range
Range	6 V /60 V/600 V/1000V
Resolution	0.001 V /0.01 V/0.1 V/1 V
Accuracy	$DCV: \pm (1\% + 2d)$
	ACV: $\pm (1.2 \% + 5d)$
Input impedance	10 M ohm.
Over load	AC/DC 1000 V.
protection	
Remark	* The input impedance is 10 Mega ohm.
	* ACV specification be tested on sine
	wave 50/60 Hz.
	* For smart function ,the ACV start
	measurement voltage is larger than
	400 mV ± 100 mV.

DC/AC Current	* auto	range
Range	uA ,mA range	600uA/6000uA
		600 mA/60 mA
	10 A range	10A
Resolution	uA ,mA range	0.1uA/1uA
		0.1 mA/0.01 mA
	10 A range	0.01 A
Accuracy	uA/mA range	± (1.2% + 2d)
	10 A range	± (1.5% + 2d)
Over load	mA range	630 mA fuse
protection	10 A range	10 A fuse
Remark	* ACA specification be tested on sine	
	wave 50/60 Hz.	
	* For smart function ,the ACA start	
	measurement is	
	10 A range: 1.50 A	
	mA range: 1.50 mA	

OHMS	* auto range
Range	600/6 K/60 K/600 K/6 M ohm
Resolution	0.1/1/10/100/1 K ohm
Accuracy	$\pm (1\% + 3d)$
Over load	± 350 DCV, 350 ACV
protection	

Capacitance	* auto range
Range	6 nF/60 nF/600 nF/6 uF/60 uF
Resolution	0.001 nF/0.01 nF/0.1 nF/0.001 uF/
	0.01 uF
Accuracy	± (3% + 5d)
	rge capacitor before testing.

Frequency	
Range	40 Hz to 1 KHz
Resolution	1 Hz.
Accuracy	\pm (0.3% + 2d)
Input impedance	10 M ohm.
Over load	AC/DC 600 V
protection	

Diode	
Short/non conductance, good/defect test.	

Continuity If measuring resistance is less than 10 ohm, the beeper will sound .

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