NO battery, Hybrid power, Innovation, Patent

GREEN POWER SMART MULTIMETER

Model: DM-9983G *ISO-9001, CE, IEC1010*









The Art of Measurement

Green power, hybrid power

SMART MULTIMETER

Model: DM-9983G

FEATURES

LATORES				
* Green power, battery is no need, power supply from the				
handy generator, operate the generator 10 to 20 seconds				
will offer 10 minutes energy typically.				
* Hybrid power, meter also can supply by the battery.				
* Meet CAT III-600 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 4 intelligent function :				
"V", "Ω", "mA". "10A".				
* " V " function can select ACV, DCV automatically with				
auto range.				
* " Ω " function can select the Resistance , Diode,				
Continuity beeper, Capacitance automatically with				
auto range.				
* " 10A " " mA " function can measure ACA, DCA with				
auto range.				
* Data hold (auto range).				
* Auto shut off is available to save battery life.				
* Both 10 A, mA current range are build fuses for safety				
consideration.				
* 10 M ohm impedance for voltage circuit.				
* Built-in overload protection for most ranges.				
* LSI circuit provides high reliability and durability.				
* Patent.				
* 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	SPECIFI	CATIONS
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Green power	* Green power, battery is no need,	
and	power supply from the handy	
Hybrid power		
nybria power	generator, operate 10 to 20 seconds	
	the generator will offer 10 minutes	
	energy typically.	
	* Hybrid power, meter also can supply	
Diamlass	by the battery power.	
Display	46 mm x 45 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.	
	" Ω " function can select the Resistance,	
	Diode, Continuity beeper, Capacitance	
	automatically with auto range.	
	" 10A " " mA " 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 3	
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	Green power :	
Supply	Power from the handy generator,	
	battery is no need.	
	Battery power :	
	DC3V battery (CR-2032) x 2 PCs.	

Power consumption	DC 3 mA.	
Weight	340 g/0.75 LB.	
Dimension	152 x 78 x 45 mm	
	(6.0 x 3.1 x 1.8 inch)	
Accessories	Red and Black Test Leads 1 Set	
Included	Instruction Manual 1 PC	
Optional	Full line adapters :	
accessories	ACA/DCA current adapter,	
	Tachometer adapter,	
	Humidity adapter, Pressure adapter,	
	Light adapter, EMF adapter,	
	Sound level adapter,	
	High voltage probe.	

ELECTRICAL SPECIFICATIONS (23 \pm 5°C)

DC/AC Voltage	* auto range		
Range	6 V /60 V/600 V		
Resolution	0.001 V /0.01 V/0.1 V		
Accuracy	DCV: $\pm (1 \% + 2d)$		
	ACV: $\pm (1.2 \% + 5d)$		
Input impedance	10 M ohm.		
Over load	AC/DC 600 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	mA range	600 mA/60 mA	
	10 A range	10A	
Resolution	mA range	0.1 mA/0.01 mA	
	10 A range	0.01 A	
Accuracy	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	± (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)	
Remark	Discharge capacitor before testing.	

Frequency	
Range	40 Hz to 1 KHz.
Resolution	1 Hz.
Accuracy	± (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.	

PATENT	CHINA: ZL200620012764.3	GERMANY: Nr.202006007329.9	TAIWAN: M299401
	JAPAN: 3130269	U.S.A.: PATENT PENDING	

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