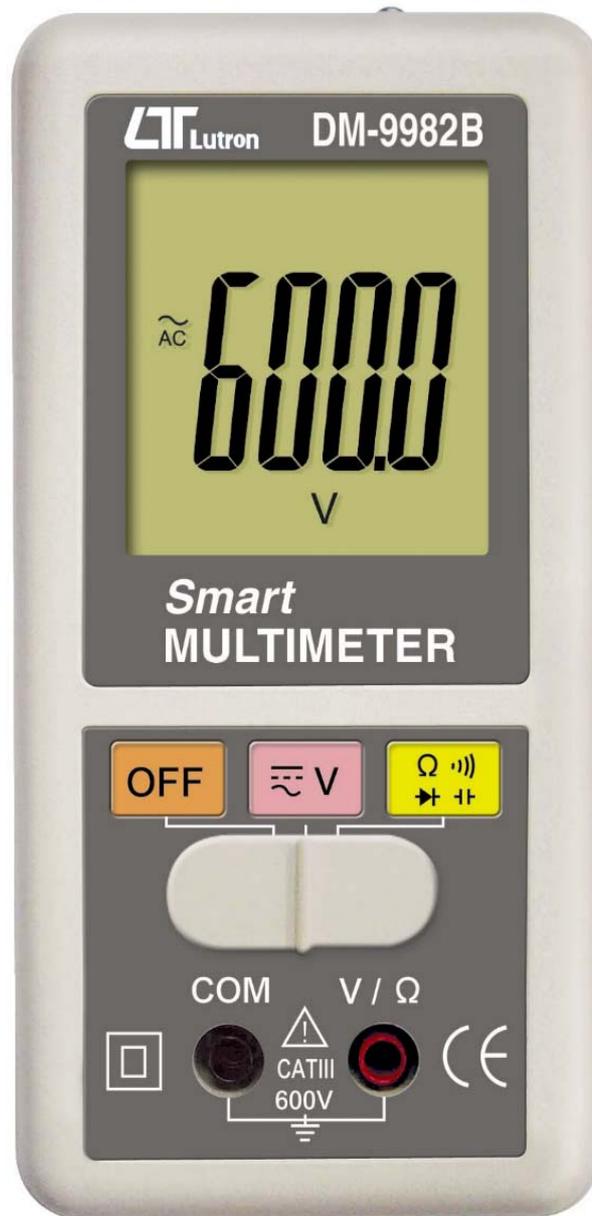


# SMART MULTIMETER

Model : DM-9982B

ISO-9001, CE, IEC1010



**Lutron**

**LUTRON ELECTRONIC**

*The Art of Measurement*

# SMART MULTIMETER

Model : DM-9982B

## FEATURES

* Digital multimeter with smart function,
* DIY version , easy operation.
* Meet CAT III-600 V.
* 6000 counts A/D, high resolution.
* ACV, DCV, ohms, continuity, Capacitance, Diode.
* Smart function and auto range.
* Smart operation, Build in 2 intelligent function : " V ", " Ω ".
* " V " function can select ACV, DCV automatically with auto range.
* " Ω " function can select the Resistance , Diode, Continuity beeper, Capacitance automatically with auto range.
* Manual power off or auto power off.
* Auto shut off is available to save battery life.
* 10 M ohm impedance for voltage circuit.
* Built-in overload protection for all range.
* LSI circuit provides high reliability and durability.
* Uses durable, long-lasting components, enclosed in strong, light weight ABS-plastic housing.

## GENERAL SPECIFICATIONS

Display	46 mm x 45 mm large LCD display.
Measurement	ACV, DCV, ohms, continuity beeper, Hz, Capacitance, Diode.
A/D counts no.	6000 counts.
Range selection	Smart function, auto range.
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.
Power On/Off management	Manual power off. Auto power off : If meter is not operated within 3 minutes will auto power switch off.
Polarity	Automatic Switching, " - " indicates negative polarity.
Zero adjustment	Automatic.
Sampling time	Approx. 0.5 to 1 second.
Operating Temperature	0 to 50 °C (32 to 122 °F).
Operating humidity	Less than 80% RH.

Power supply	006P DC 9V battery.
Power consumption	DC 3 mA approximately.
Weight	320 g/0.70 LB.
Dimension	152 x 78 x 45 mm ( 6.0 x 3.1 x 1.8 inch )
Accessories Included	Red and Black Test Leads..... 1 Set Instruction Manual..... 1 PC

## ELECTRICAL SPECIFICATIONS (23± 5°C )

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

<b>OHMS * auto range</b>	
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 protection	± 350 DCV, 350 ACV

<b>Capacitance * auto range</b>	
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.

<b>Diode</b>	
Short/non conductance, good/defect test.	

<b>Continuity</b>	
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.

1209-DM9982B