



DT-912

DIGITAL MULTIMETER

Safety

Input Limits	
Function	Maximum Input
VAC	600V DC/AC
V DC or V AC	600V DC/AC, 200Vrms on 200mV range
mA DC	200mA 250V fast acting fuse
A DC	10A 250V fast acting fuse (30 seconds max every 15 minutes)
Resistance, Continuity	250Vrms for 15sec max

I Relative Button

The relative measurement feature allows you to make measurements relative to a stored reference value.

I Data Hold Button

The Data Hold function allows the meter to "freeze" a measurement for later reference

I Auto Power Off

To save power, the display automatically turns off in 30 minutes.

Electrical Specifications

Function	Range	Resolution	Accuracy
DC Voltage (V DC)	200mV	0.1mV	±(0.5% reading + 2 digits)
	2000mV	1mV	
	20V	0.01V	
	200V	0.1V	±(0.8% reading + 2 digits)
	600V	1V	
AC Voltage (V AC)	200V	0.1V	±(1.2% reading + 10 digits (50/60Hz))
	600V	1V	
DC Current (A DC)	2000µA	1µA	±(1.0% reading + 2 digits)
	20mA	10µA	
	200mA	100µA	±(1.2% reading + 2 digits)
	10A	10mA	
Resistance	200Ω	0.1Ω	±(0.8% reading + 2 digits)
	2000Ω	1Ω	
	20kΩ	0.01kΩ	
	200kΩ	0.1kΩ	±(1.0% reading + 2 digits)
	2000kΩ	1kΩ	
Battery Test	9V	10mV	±(1.0% reading + 2 digits)
	1.5V	1mV	

NOTE :

Accuracy specifications consist of two elements:

- (% reading) – This is the accuracy of the measurement circuit.
- (+ digits) – This is the accuracy of the analog to digital converter.

NOTE :

Accuracy is stated at 65oF to 83°F (18°C to 28°C) and less than 75% RH.

General Specifications

Diode Test	Test current of 1mA maximum, open circuit voltage 2.8V DC typical
Continuity Check	Audible signal will sound if the resistance is less than approximately 30Ω
Battery Test current	9V (6mA); 1.5V (100mA)
Input Impedance	>1MΩ
Data Hold	To Freeze the displayed data
ACV Bandwidth	45Hz to 450Hz
DCA voltage drop	200mV
Display	3 ½ digit, 2000 count Backlit LCD, 1.1" digits
Overrange indication	"1" is displayed
Polarity	Automatic (no indication for positive polarity); Minus (-) sign for negative polarity
Measurement Rate	2 times per second, nominal
Low Battery Indication	"BAT" is displayed if battery voltage drops below operating voltage
Battery	one 9 volt (NEDA 1604) battery
Fuses	mA, µA ranges; 0.2A/250V fast blow A range; 10A/250V fast blow
Operating Temperature	32°F to 122°F (0°C to 50°C)
Storage Temperature	-4°F to 140°F (-20°C to 60°C)
Relative Humidity	<70% operating, <80% storage
Operating Altitude	7000ft. (2000) meters maximum.
Weight	255g
Size	150mm x 70mm x 48mm
Safety	For indoor use and in accordance with Overvoltage Category II, Pollution Degree 2. Category II includes local level, appliance, portable equipment, etc., with transient overvoltages less than Overvoltage Category III.

Accessories

Carrying Case, Testing Leads, Battery, Instruction manual and Test Certificate.

Contact :

CEM INSTRUMENTS (INDIA) PVT. LTD.

32A, Ganesh Chandra Avenue, 4th Floor, Kolkata-700013

Tel: 033-22151376, 22159759

Email: info@cem-instruments.in / info@cem-india.com

Web: www.cem-instruments.in / www.cem-india.com

CEM INSTRUMENTS HEADQUATER & FACTORY

19th Building, 5th Region, Baiwangxin Industry Park, Songbai Road, Baimang, Xili, Nanshan, Shenzhen, China, 518108

Tel: +86-755-27353188, Fax: +86-755-27653699

