



DT-914

AUTORANGING DIGITAL MULTIMETER

Safety Instructions

Input Limits	
Function	Maximum Input
V DC or V AC	CATIII-600V DC /AC
mA DC/AC	200mA/250V DC/AC
A DC/AC	10A/250V DC/AC (30 seconds max every 15 minutes)
Resistance, Diode test, Continuity, Temperature	250V DC/AC

General Specifications

The instrument complies with	EN61010-1
Insulation	Class2, Double insulation
Overvoltage category	CATIII 600V
Display	2000 counts LCD display with function indication
Polarity	Automatic, (-) negative polarity indication.
Overrange	"OL" mark indication
Low battery indication	The "BAT" is displayed when the battery voltage drops below the operating level
Measurement rate	2 times per second, nominal
Auto power off	Meter automatically shuts down after approx. 15 minutes of inactivity
Operating environment	0°C to 50°C (32°F to 122°F) at < 70 % relative humidity
Storage temperature	-20°C to 60°C (-4°F to 140°F) at < 80 % relative humidity
For inside use, max height	2000m
Pollution degree	2
Power	One 9V battery, NEDA 1604, IEC 6F22
Dimensions	150 (H) x 70 (W) x 48 (D) mm
Weight: Approx.	255g.
Accuracy is given at 18°C to 28°C (65°F to 83°F), less than 70 % RH	

Electrical Specifications

DC Voltage (Auto-ranging)

Range	Resolution	Accuracy
200.0mV	0.1mV	±0.5% of rdg ±2 dgts
2.000V	1mV	±1.0% of rdg ±2 dgts
20.00V	10mV	
200.0V	100mV	
600V	1V	±1.2% of rdg ±2 dgts

Input Impedance : 10MΩ.
Maximum Input : 600V dc rms.

DC Current (Auto-ranging for uA and mA)

Range	Resolution	Accuracy
200.0uA	0.1uA	±1.0% of rdg ±3 dgts
2000uA	1uA	±1.5% of rdg ±3 dgts
20.00mA	10uA	
200.0mA	100uA	
10A	10mA	±2.5% of rdg ±5 dgts

Overload Protection : 0.2A / 250V and 10A / 250V Fuse.
Maximum Input : 200mA dc or 200mA ac rms on uA / mA ranges,
10A dc or ac rms on 10A range.

AC Voltage (Auto-ranging except 200mV)

Range	Resolution	Accuracy
200.0mV	0.1mV	±1.5% of rdg ±30 dgts
2.000V	1mV	±1.2% of rdg ±3 dgts
20.00V	10mV	±1.5% of rdg ±3 dgts
200.0V	100mV	
600V	1V	±2.0% of rdg ±4 dgts

Input Impedance : 10MΩ.
Frequency Range : 50 to 60Hz
Maximum Input : 600V dc/ac rms.

AC Current (Auto-ranging for uA and mA)

Range	Resolution	Accuracy
200.0uA	0.1uA	±1.5% of rdg ±5 dgts
2000uA	1uA	±1.8% of rdg ±5 dgts
20.00mA	10uA	
200.0mA	100uA	
10A	10mA	±3.0% of rdg ±7 dgts

Overload Protection : 0.2A / 250V and 10A / 250V Fuse.
Frequency Range : 50 to 60 Hz
Maximum Input : 200mA dc or 200mA ac rms on uA / mA ranges, 10A dc or ac rms on 10A range.

Contact :

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Electrical Specifications

Resistance (Auto-ranging)

Range	Resolution	Accuracy
200.0Ω	0.1Ω	±1.2% of rdg ±4 dgts
2.000kΩ	1Ω	±1.0% of rdg ±2 dgts
20.00kΩ	10Ω	±1.2% of rdg ±2 dgts
200.0kΩ	100Ω	
2.000MΩ	1kΩ	
20.00MΩ	10kΩ	±2.0% of rdg ±3 dgts

Input Protection : 250V

Temperature

Range	Resolution	Accuracy
-50°C ~ +1000°C	1°C	±3% of rdg ±5dgts
-58°F ~ +1832°F	1°F	±3% of rdg ±8dgts

Sensor : Type K Thermocouple

Overload protection : 250V dc or ac rms.

Diode Test

Test current	Resolution	Accuracy
0.3mA typical	1 mV	±10% of rdg ±5 dgts

Open circuit voltage : 1.5V dc typical

Overload protection : 250V dc or ac rms.

Audible Continuity

Audible threshold : Less than 100Ω; Test

current : <0.3mA

Overload protection : 250V dc or ac rms.

Range Button

To switch the meter from AUTO-RANGE to MANUAL-RANGE

Mode and Vice Versa

Data Hold

Allows the meter to "freeze" a measurement for later

Max Hold Button

To Record the maximum displayed value.

Accessories

Carrying Case, Testing Leads, Temperature Probe, Instruction Manual and Test Certificate.

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