



DT-922

AUTORANGING DIGITAL MULTIMETER

General Specifications

The instrument complies with	EN61010-1
Insulation	Class2, Double insulation
Overvoltage category	CATIII 600V
Display	4000 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
Range Button	To switch the meter from Auto-Ranging To Manual Ranging mode and Vice Versa
Data Hold Button	Allows the meter to "freeze" a measurement for later reference
Relative Button	The relative measurement feature allows to make measurements relative to a stored reference value
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.

Electrical Specifications

Accuracy is given at 18°C to 28°C (65°F to 83°F), less than 70% RH

DC Voltage (Auto-ranging)

Range	Resolution	Accuracy
400.0mV	0.1mV	±0.5% of rdg ±2 dgts
4.000V	1mV	±1.2% of rdg ±2 dgts
40.00V	10mV	
400.0V	100mV	
600V	1V	±1.5% of rdg ±2 dgts

Input Impedance : 7.8MΩ.

Maximum Input : 600V dc or 600V ac rms.

DC Current (Auto-ranging for uA and mA)

Range	Resolution	Accuracy
400.0uA	0.1uA	±1.0% of rdg ±3 dgts
4000uA	1uA	±1.5% of rdg ±3 dgts
40.00mA	10uA	
400.0mA	100uA	
10A	10mA	±2.5% of rdg ±5 dgts

Overload Protection : 0.5A / 250V and 10A / 250V Fuse.

Maximum Input : 400mA dc or 400mA ac rms on uA / mA ranges, 10A dc or ac rms on 10A range.

AC Voltage (Auto-ranging except 200mV)

Range	Resolution	Accuracy
400.0mV	0.1mV	±1.5% of rdg ±15 dgts
4.000V	1mV	±1.2% of rdg ±3 dgts
40.00V	10mV	±1.5% of rdg ±3 dgts
400.0V	100mV	
600V	1V	±2.0% of rdg ±4 dgts

Input Impedance : 7.8MΩ.

Frequency Range : 50 to 400Hz

Maximum Input : 600V dc or 600V ac rms.

AC Current (Auto-ranging for uA and mA)

Range	Resolution	Accuracy
400.0uA	0.1uA	±1.5% of rdg ±5 dgts
4000uA	1uA	±1.8% of rdg ±5 dgts
40.00mA	10uA	
400.0mA	100uA	
10A	10mA	±3.0% of rdg ±7 dgts

Overload Protection : 0.5A / 250V and 10A / 250V Fuse.

Frequency Range : 50 to 400 Hz

Maximum Input : 400mA dc or 400mA 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
400.0Ω	0.1Ω	±1.2% of rdg ±4 dgts
4.000kΩ	1Ω	±1.0% of rdg ±2 dgts
40.00kΩ	10Ω	±1.2% of rdg ±2 dgts
400.0kΩ	100Ω	
4.000MΩ	1kΩ	
40.00MΩ	10kΩ	±2.0% of rdg ±3 dgts

Input Protection: 250V dc or 250V ac rms.

Frequency (Auto-ranging)

Range	Resolution	Accuracy
9.999Hz	0.001Hz	±1.5% of rdg ±5 dgts
99.99Hz	0.01Hz	
999.9Hz	0.1Hz	±1.2% of rdg ±3 dgts
9.999kHz	1Hz	
99.99kHz	10Hz	
999.9kHz	100Hz	
9.999MHz	1kHz	±1.5% of rdg ±4 dgts

Sensitivity : >0.5V RMS while ≤1MHz ;

Sensitivity : >3V RMS while >1MHz ;

Overload protection : 250V dc or ac rms.

Temperature

Range	Resolution	Accuracy
-20°C ~ +760°C	1°C	±3% of rdg
-4°F ~ +1400 °F	1°F	±5 °C/9 °F

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 150Ω,

Test current : <0.3mA

Overload protection : 250V dc or ac rms.

Accessories

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

Capacitance (Auto-ranging)

Range	Resolution	Accuracy
4.000nF	1pF	±5.0% of rdg ±50 dgts
40.00nF	10pF	±5.0% of rdg ±7 dgts
400.0nF	0.1nF	±3.0% of rdg ±5 dgts
4.000uF	1nF	
40.00uF	10nF	
200.0uF	0.1uF	±5.0% of rdg ±5 dgts

Input Protection: 250V dc or 250V ac rms.

Duty Cycle

Range	Resolution	Accuracy
0.1%~99.9%	0.1%	±1.2% of rdg ±2 dgts

Pulse width : >100us, <100ms;

Frequency width : 5Hz – 150kHz

Sensitivity : >0.5V RMS

Overload protection : 250V dc or ac rms.

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