

Digital Multimeter Pen Type



Specifications

Environmental Conditions for Use	IEC/EN 61010-1 600V CAT III, pollution level 2, altitude <2000m
Working Environment Temperature	0°C to +40°C
Storage Environment Temperature and Humidity	-10°C to +60°C (remove the battery when it is below 70%RH)
Temperature Coefficient	0.1 × accuracy/°C
Max. Voltage Allowed Between Measuring Terminal and Ground	DC or AC 600V RMS
Fuse Protection	Fuse FF 250mA/600V
Sampling Rate	About 3 times/second
Display	3½ LCD screen
Super Range Indication	LCD display screen will display "OL"
Low Battery Indication	 will be displayed on the screen
Input Polarity Indication	Automatically displays "-"
Power Supply	2 × 1.5V AAA batteries
Dimensions	225mm × 38mm × 26mm

Accuracy Specifications

The accuracy is applicable within one year of calibration.

Reference conditions: the environmental temperature is 18°C to 28°C and relative humidity is no more than 80%.

DC Voltage		
Range	Resolution	Accuracy
200mV	0.1mV	± (0.5% reading + 3)
2V	0.001V	
20V	0.01V	
200V	0.1V	
600V	1V	± (0.8% reading + 5)

Input impedance: 10MΩ.
Max. Input Voltage: DC or AC 600V RMS.



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AC Voltage		
Range	Resolution	Accuracy
2V	0.001V	± (0.8% reading + 3)
20V	0.01V	
200V	0.1V	
600V	1V	± (1.0% reading + 5)

Input impedance: 10MΩ.
Max. Input Voltage: DC or AC 600V RMS.
Frequency range: 40Hz~400Hz

DC Current		
Range	Resolution	Accuracy
20mA	0.01mA	± (1.8% reading + 5)
200mA	0.1mA	

Input protection: FF250mA/600V fuse

AC Current		
Range	Resolution	Accuracy
20mA	0.01mA	± (2.0% reading + 5)
200mA	0.1mA	

Input protection: FF250mA/600V fuse.

Resistance		
Range	Resolution	Accuracy
200Ω	0.1Ω	±(1.0% reading + 3)
2kΩ	0.001kΩ	
20kΩ	0.01kΩ	
200kΩ	0.1kΩ	
2MΩ	0.001MΩ	±(1.2% reading + 15)
20MΩ	0.01MΩ	

Input protection: Maximum DC or AC 600V RMS

Part Number Table

Description	Part Number
Digital Multimeter, Pen Type	D03127

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