

BS1702**3 1/2 Digits Multimeter with Diode, Continuity and Temperature Measurement**

Features:

- 3 1/2 Digits LCD display
- DC Voltage 200mV to 600V
- AC Voltage 200V/600V
- DC Current 2mA to 10A
- Resistance 200 Ω to 20M Ω
- Temperature Measurement
- Data Hold
- Conform to IEC1010/EN61010-1, CE-EMC & LVD CATIII 600V

**General Specifications**

Display	: 3 1/2 digits LCD with max. reading of 1999.
Polarity	: Automatic, (-) negative polarity indication.
Zero adjustment	: Automatic.
Over range indication	: Only the MSD “1” is displayed.
Power	: Single, standard 9 volt battery NEDA 1604, JIS 006P, IEC6F22.
Dimension	: 75 (W) x 144 (H) x 40 (D) mm.
Weight	: Approx. 180 g (including battery).

Electrical Specification

Accuracies are \pm (% of reading + number of least significant digits) at $23^{\circ}\text{C}\pm 5^{\circ}\text{C}$, less than 75%RH

DC Voltage Measurement

Range	Resolution	Accuracy	Input Impedance	Overload Protection
200mV	0.1mV	$\pm(0.8\% \text{ Read.} + 2\text{dgt})$	10M Ω	250V DC/AC rms
2V	0.001V			600V DC/AC rms
20V	0.01V			
200V	0.1V			
600V	1V			

AC Voltage Measurement

Range	Resolution	Accuracy	Input Impedance	Overload Protection
200V	0.1V	$\pm(1.5\% \text{ Read.} + 5\text{dgt})$	10M Ω	600V DC/AC rms
600V	1V			

Frequency range: 40-400Hz

DC Current Measurement

Range	Resolution	Accuracy	Voltage drop	Overload Protection
2mA	0.001mA	$\pm(1.0\% \text{ Read.} + 2\text{dgt})$	200mV	Fast 200mA/250V Fuse
20mA	0.01mA			
200mA	0.1mA			
10A	0.01A	$\pm(1.5\% \text{ Read.} + 5\text{dgt})$		Unfused 10A 15sec.

Resistance Measurement

Range	Resolution	Accuracy	Open circuit voltage	Overload Protection
200Ω	0.1Ω	±(0.8% Read. + 2dgt)	<3.0V	250V DC/AC rms <30 sec
2kΩ	0.001kΩ			
20kΩ	0.01kΩ			
200kΩ	0.1kΩ			
2MΩ	0.001MΩ			
20MΩ	0.01MΩ	±(1.2% Read. + 5dgt)		

Diode Test

Range	Accuracy	Open circuit voltage	Overload Protection
▶+	Approx. 1mA	3.0V	250V DC/AC rms <30 sec

Continuity Test

Range	Buzzer sounds when resistance value < 100Ω	Open circuit voltage	Overload Protection
•))		3.0V	250V DC/AC rms <30 sec



Temperature Internal Probe

Range	Resolution	Accuracy	Overload Protection
0 – 40°C	1°C	±(3dgt)	Fast 200mA/250V Fuse

Temperature K-type Probe

Range	Resolution	Accuracy	Overload Protection
-40 – 400°C	1°C	±(0.75% Read. + 3dgt)	Fast 200mA/250V Fuse
401 – 1000°C		±(2.0% Read. + 5dgt)	

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