

**BS3601****3 1/2 Digits Multimeter with Transistor, Continuity and Diode**

## Features:

- 3 1/2 Digits large LCD display
- DC Voltage 200mV to 600V
- AC Voltage 200mV to 600V
- DC Current 20uA to 20A
- AC Current 200uA to 20A
- Resistance 200Ω to 200MΩ
- Diode test
- Continuity test
- Transistor test
- Low Battery Warning
- Auto Power Off
- Data Hold
- Conform to IEC1010/EN61010-1,  
CE-EMC & LVD CATII 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	: 94 (W) x 205 (H) x 62 (D) mm.
Weight	: Approx. 620 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	$\pm(0.8\% \text{ Read.} + 1\text{dgt})$	10M $\Omega$	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
200mV	0.1mV	$\pm(1.2\% \text{ Read.} + 3\text{dgt})$	10M $\Omega$	250V DC/AC rms
2V	0.001V	$\pm(0.8\% \text{ Read.} + 3\text{dgt})$		600V DC/AC rms
20V	0.01V			
200V	0.1V			
600V	1V	$\pm(1.2\% \text{ Read.} + 3\text{dgt})$		

**Frequency range: 40-400Hz**

#### DC Current Measurement

Range	Resolution	Accuracy	Voltage drop	Overload Protection
20 $\mu\text{A}$	0.01 $\mu\text{A}$	$\pm(0.8\% \text{ Read.} + 3\text{dgt})$	200mV	Fast 2A/250V Fuse
200 $\mu\text{A}$	0.1 $\mu\text{A}$			
2mA	0.001mA			
20mA	0.01mA			
200mA	0.1mA	$\pm(1.0\% \text{ Read.} + 3\text{dgt})$		Unfused 15sec.
2A	0.001A			
20A	0.01A	$\pm(2.0\% \text{ Read.} + 5\text{dgt})$		

**AC Current Measurement**

Range	Resolution	Accuracy	Voltage drop	Overload Protection
200 $\mu$ A	0.1 $\mu$ A	$\pm(1.2\%$ Read. + 3dgt)	200mV	Fast 2A/250V Fuse
2mA	0.001mA			
20mA	0.01mA			
200mA	0.1mA	$\pm(1.5\%$ Read. + 3dgt)		Unfused 15sec.
2A	0.001A			
20A	0.01A	$\pm(3.0\%$ Read. + 5dgt)		

**Frequency range: 40-400Hz****Resistance Measurement**

Range	Resolution	Accuracy	Open circuit voltage	Overload Protection
200 $\Omega$	0.1 $\Omega$	$\pm(0.8\%$ Read. + 2dgt)	<0.7V	250V DC/AC rms <30 sec
2k $\Omega$	0.001k $\Omega$			
20k $\Omega$	0.01k $\Omega$			
200k $\Omega$	0.1k $\Omega$			
2M $\Omega$	0.001M $\Omega$			
20M $\Omega$	0.01M $\Omega$	$\pm(1.0\%$ Read. + 2dgt)	<3.0V	
200M $\Omega$	0.1M $\Omega$	$\pm(5.0\%$ Read. + 10dgt)		

**Diode Test**

Range	Accuracy	Open circuit voltage	Overload Protection
▶+	Approx. 1mA	2.8V	250V DC/AC rms <30 sec

**Continuity Test**

Range	Buzzer sounds when resistance value < 60Ω	Open circuit voltage	Overload Protection
•)))		2.8V	250V DC/AC rms <30 sec

**Transistor Test**

Range	hFE value	Base current	Open circuit voltage	Overload Protection
hFE	0-1000	Approx. 10μA	Approx. 2.8V	250V DC/AC rms <30 sec.

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