

BS2702E**3 1/2 Digits Automotive Multimeter with Temperature(°C or °F)**

Features:

- 3 1/2 digits LCD display
- DC voltage 200V/600V
- AC voltage 600V
- DC current 10A
- Resistance 2000Ω to 20MΩ
- Diode test
- Continuity test
- Tacho (RPM) 3, 4, 5, 6, 8 cylinder
- Dwell angle 3, 4, 5, 6, 8 cylinder
- Temperature Measurement
- Auto power off
- Conform to IEC1010/EN61010-1, CE-EMC & LVD
CAT II 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	: 70 (W) x 140 (H) x 36 (D) mm.
Weight	: Approx. 350 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
20V	0.01V	$\pm(0.8\% \text{Read.} + 2\text{dgt})$	10M Ω	600V DC/AC rms
600V	1V	$\pm(0.8\% \text{Read.} + 4\text{dgt})$		

AC Voltage Measurement

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

Frequency range: 40-400Hz

DC Current Measurement

Range	Resolution	Accuracy	Voltage drop	Overload Protection
10A	0.01A	$\pm(1.5\% \text{Read.} + 5\text{dgt})$	200mV	Fast 10A/250V Fuse

Resistance Measurement

Range	Resolution	Accuracy	Open circuit voltage	Overload Protection
2000 Ω	1 Ω	$\pm(0.8\% \text{Read.} + 3\text{dgt})$	<2.4V	250V DC/AC rms <30 sec.
20k Ω	0.01k Ω			
2000k Ω	0.1k Ω	$\pm(1.5\% \text{Read.} + 5\text{dgt})$		
20M Ω	0.01M Ω	$\pm(3.0\% \text{Read.} + 10\text{dgt})$		

**Diode Test**

Range	Accuracy	Open circuit voltage	Overload Protection
▶+	Approx. 1mA ±0.6mA	2.8V – 3.0V	250V DC/AC rms <30 sec.

Continuity Test

Range	Buzzer sounds when resistance value < 100Ω	Open circuit voltage	Overload Protection
•)))		2.8V – 3.0V	250V DC/AC rms <30 sec.

Temperature Internal Probe

Range	Resolution	Accuracy	Overload Protection
0 – 40°C (32 - 104°F)	1°C (1°F)	±(3dgt)	250V DC/AC rms <30 sec.

Temperature K-type Probe

Range	Resolution	Accuracy	Overload Protection
-40 – 400°C (-40 - 752°F)	1°C (1°F)	±(0.75% Read. + 3dgt)	250V DC/AC rms <30 sec.
401 – 1000°C (753 - 1832°F)		±(2.0% Read. + 5dgt)	

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