

BS1503**3 1/2 Digits Multimeter with Temperature and Capacitance Measurement**

Features:

- 3 1/2 Digits LCD display
- DC Voltage 200mV to 600V
- AC Voltage 200V/600V
- DC Current 20mA to 10A
- AC Current 200mA to 10A
- Resistance 200 Ω to 20M Ω
- Temperature Measurement
- Capacitance Measurement
- Diode/Continuity test
- Separate battery compartment
- 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	: 104 (W) x 145.5 (H) x 56 (D) mm.
Weight	: Approx. 320 g (including battery).

Electrical Specification

Accuracies are \pm (% of reading + number of least significant digits) at 23°C \pm 5°C, less than 75%RH

DC Voltage Measurement

Range	Resolution	Accuracy	Input Impedance	Overload Protection
200mV	0.1mV	\pm (0.8% Read. + 2dgt)	10M Ω	250V DC/AC rms
2000mV	1mV			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% Read. + 5dgt)	10M Ω	600V DC/AC rms
600V	1V			

Frequency range: 40-400Hz

DC Current Measurement

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

Resistance Measurement

Range	Resolution	Accuracy	Open circuit voltage	Overload Protection
200Ω	0.1Ω	±(1.0% Read. + 2dgt)	<2.8V	250V DC/AC rms <30 sec.
2000Ω	1Ω			
20kΩ	0.01kΩ			
200kΩ	0.1kΩ			
20MΩ	0.01MΩ	±(1.2% Read. + 5dgt)		

Diode Test

Range	Accuracy	Open circuit voltage	Overload Protection
▶+	Approx. 1mA	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	1°C	±(3dgt)	250V DC/AC rms <30 sec.

Temperature K-type Probe

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

Capacitance Measurement

Range	Resolution	Accuracy	Overload Protection
20µF	0.01µF	±(2.5% Read. + 5dgt)	250V DC/AC rms <30 sec.

CALTEK INDUSTRIAL (HONG KONG) LIMITEDwww.bstcaltek.comHong Kong Office

Address: Unit 11 10/F, Kwai Cheong Center, 50 Kwai Cheong Road, Kwai Chung, N.T., Hong Kong

Email: caltek@caltek.com.hk

Tel: (852) 2401-1222

Fax: (852) 2420-3472

Singapore Office

Level 15, Suite 27, Prudential Tower, 30 Cecil Street, Singapore 049712

Email: caltek_sg@caltek.com.hk

Tel: (65) 6232-2903

Fax: (65) 6232-2888