

BS1903

3 1/2 Digits All-Ranges Protection Best-buy Meter with 10A DC Current, Capacitance and Temperature Measurement

250V

All Ranges Protection

Competitive Price

Heavy Duty Rubber Holster with Test Lead Holder

**CAT II 600V
Safety Standard**

Phase Sequence Indicator

**Self-Recovery Fuse
Protection**



FEATURES:

- 3 1/2 digits LCD display
- AC Voltage 200V/600V
- Resistance 200 Ω to 2M Ω
- Continuity Test
- Temperature (-20°C to +400°C)
- Phase Sequence Indication
- DC voltage 200mV to 600V
- DC current 20mA/200mA
- Diode Test
- Transistor Test
- Capacitance 20uF/200uF
- Conforms to EN61010-1 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	: 1.5V AAA battery x 3
Dimension	: 85 (W) x 155 (H) x 40 (D) mm.
Weight	: Approx. 250 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	$\pm(1.0\% + 3d)$	10M Ω	600V DC/AC rms
2V	1mV			
20V	0.01V			
200V	0.1V			
600V	1V			

AC Voltage Measurement

Range	Resolution	Accuracy	Input Impedance	Overload Protection
200V	0.1V	$\pm(1.2\% + 3d)$	10M Ω	600V DC/AC rms
600V	1V			

Frequency range: 40-400Hz

DC Current Measurement

Range	Resolution	Accuracy	Overload Protection
20mA	0.01mA	$\pm(1.2\% + 3d)$	250V DC/AC rms
200mA	0.1mA		
10A* / 200mV	10mA	$\pm(5.0\% + 3d)$	

* 10A = 100.0mV

Resistance Measurement

Range	Resolution	Accuracy	Testing Voltage	Overload Protection
200Ω	0.1Ω	±(1.2% + 3d)	<1V	250V DC/AC rms <30 sec.
2kΩ	1Ω			
20kΩ	0.01kΩ			
200kΩ	0.1kΩ			
2MΩ	1kΩ			

Capacitance Measurement

Range	Resolution	Accuracy	Overload Protection
20μF	10nF	±(2.5% + 3d)	250V DC/AC rms <30 sec.
200μF	100nF		

Test Frequency: Approx. 2.5Hz

Test voltage: 3V

Temperature Measurement (with K-Type Thermocouple)

Range	Resolution	Accuracy	Overload Protection
-20°C to +400°C	1°C	±(2.5% + 4°C)	250V DC/AC rms <30 sec.

Diode Test

Range	Open circuit voltage	Overload Protection
▶	< 3V	250V DC/AC rms <30 sec.

Continuity Test

Range	Buzzer sounds when resistance value < 30Ω	Open circuit voltage	Overload Protection
•)))		<. 3V	250V DC/AC rms <30 sec.

Transistor Test

Range	hFE value	Overload Protection
hFE	0-1000	250V DC/AC rms <30 sec.

Phase Sequence Indication

Range	Phase Indication
380V~ ±10%	Correct Phase Sequence – Phase Sequence Light “ON”

Standard Accessory

Test Lead Set (2pcs)	× 1 set
Rubber Holster with Test Lead Holder	× 1 pc
3 Phase 3rd Test Lead	× 1 pc
10A Current Adaptor	× 1 pc
K-type Thermocouple	× 1 pc

Battery required:

- 1.5V AAA battery x 3
(Not included in accessories)

Optional Accessory

Add-On Clamp Head	× 1 set
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**BST Caltek Industrial Ltd.**www.bstcaltek.com
www.htcaltek.comwww.caltek.com.hk
www.finestcaltek.asia

Flat G, 2/F., Block 4, Golden Dragon Industrial Centre, 182-190 Tai Lin Pai Road, Kwai Chung, N.T., Hong Kong

E-MAIL: sales@caltek.com.hk

TEL: (852) 2401-1222

FAX: (852) 2420-3472