

## **BS1801/BS1801B** **SilkyCase™ Multi Functions DMM** **with LED Backlight**

### Features:

- 3 1/2 digits LCD display
- DC voltage 200mV to 600V
- AC voltage 200V/600V
- DC current 200mA to 10A (fused)
- Resistance 200Ω to 20MΩ
- Diode test
- Continuity test
- Battery test
- LED backlight (BS1801B)
- Low Battery Warning";
- Data hold
- Auto power off
- CAT III 600V CE-EMC & LVD



### **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	: 80 (W) x 150 (H) x 40 (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. + 1dgt)	10M $\Omega$	600V DC/AC rms
2V	0.001V			
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. + 10dgt)	10M $\Omega$	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. + 3dgt)	200mV	Fast 200mA/250V Fuse
10A	0.01A	$\pm$ (2.0% Read. + 5dgt)		Fast 10A/250V Fuse



Resistance Measurement

Range	Resolution	Accuracy	Open circuit voltage	Overload Protection
200Ω	0.1Ω	±(1.0% Read. + 5dgt)	<0.7V	250V DC/AC rms <30 sec
2kΩ	0.001kΩ			
20kΩ	0.01kΩ			
200kΩ	0.1kΩ			
20MΩ	0.01MΩ	±(1.5% Read. + 5dgt)		

Diode Test

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

Continuity Test

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

Battery Test

Range	Working Fine Current	Overload Protection
1.5V (AA Load)	40mA	250V DC/AC rms <30 sec
9.0V (6F22 Load)	24mA	