

BS1801 Multi Functions DMM

Features:

- 3 1/2 digits LCD display
- DC voltage 200mV to 600V
- AC voltage 200V/600V
- DC current 200mA to 10A (fused)
- Resistance 200 Ω to 20M Ω
- Diode test
- Continuity test
- Battery test
- 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. 300 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 Ω	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 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. + 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	

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BS1801/BS1801B 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 200 Ω to 20M Ω
- 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 Ω	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 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. + 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	

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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
2V	0.001V	$\pm(0.8\% \text{ Read.} + 1\text{dgt})$	10M Ω	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	$\pm(1.5\% \text{ Read.} + 10\text{dgt})$	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	$\pm(1.0\% \text{ Read.} + 3\text{dgt})$	100mV	Fast 200mA/250V Fuse
10A	0.01A	$\pm(2.0\% \text{ Read.} + 5\text{dgt})$		Fast 10A/250V Fuse

Resistance Measurement

Range	Resolution	Accuracy	Open circuit voltage	Overload Protection
200 Ω	0.1 Ω	$\pm(1.0\% \text{ Read.} + 5\text{dgt})$	<0.7V	250V DC/AC rms <30 sec
2k Ω	0.001k Ω			
20k Ω	0.01k Ω			
200k Ω	0.1k Ω			
20M Ω	0.01M Ω	$\pm(1.5\% \text{ Read.} + 5\text{dgt})$		

**Diode Test**

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

Continuity Test

Range	Buzzer sounds when resistance value < 650 Ω \pm 20	Open circuit voltage	Overload Protection
•)))		2.8V	250V DC/AC rms <30 sec

Frequency Measurement

Range	Resolution	Accuracy	Overload Protection
10Hz ~2kHz	0.001kHz	\pm (2.0% Read. + 10dgt)	250V DC/AC rms <30 sec

Capacitance Measurement

Range	Resolution	Accuracy	Overload Protection
20 μ F	0.01 μ F	\pm (3.0% Read. + 10dgt)	Fast 200mA/250V Fuse

Temperature K-type Probe

Range	Resolution	Accuracy	Overload Protection
-40 – 400 $^{\circ}$ C	1 $^{\circ}$ C	\pm (1.0% Read. + 3dgt)	Fast 200mA/250V Fuse
401 – 1000 $^{\circ}$ C		\pm (2.0% Read. + 5dgt)	

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BS1802B**Multi Functions DMM with Capacitance,
Frequency, Temperature Measurement and LED Backlight**

Features:

- 3 1/2 digits LCD display
- DC voltage 2V to 600V
- AC voltage 200V/600V
- DC current 200mA to 10A (fused)
- Resistance 200Ω to 20MΩ
- Frequency 2kHz
- Capacitance 20uF
- Temperature -40 to 1000°C
- Diode test
- Continuity test
- LED backlight
- Low Battery Warning
- Data hold
- Auto power off
- CAT III 600V CE-EMC & LVD (Pending)

**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
2V	0.001V	\pm (0.8% Read. + 1dgt)	10M Ω	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. + 10dgt)	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. + 3dgt)	100mV	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
200 Ω	0.1 Ω	\pm (1.0% Read. + 5dgt)	<0.7V	250V DC/AC rms <30 sec
2k Ω	0.001k Ω			
20k Ω	0.01k Ω			
200k Ω	0.1k Ω			
20M Ω	0.01M Ω	\pm (1.5% Read. + 5dgt)		

**Diode Test**

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

Continuity Test

Range	Buzzer sounds when resistance value < 650 Ω \pm 20	Open circuit voltage	Overload Protection
•)))		2.8V	250V DC/AC rms <30 sec

Frequency Measurement

Range	Resolution	Accuracy	Overload Protection
10Hz ~2kHz	0.001kHz	\pm (2.0% Read. + 10dgt)	250V DC/AC rms <30 sec

Capacitance Measurement

Range	Resolution	Accuracy	Overload Protection
20 μ F	0.01 μ F	\pm (3.0% Read. + 10dgt)	Fast 200mA/250V Fuse

Temperature K-type Probe

Range	Resolution	Accuracy	Overload Protection
-40 – 400 $^{\circ}$ C	1 $^{\circ}$ C	\pm (1.0% Read. + 3dgt)	Fast 200mA/250V Fuse
401 – 1000 $^{\circ}$ C		\pm (2.0% Read. + 5dgt)	

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BS1803

4000 Counts Auto Range Multimeter with Capacitance and Frequency Measurement

Features:

- 4000 Counts LCD display
- DC Voltage 400mV to 600V
- AC Voltage 400mV to 600V
- DC Current 400 μ A to 10A
- AC Current 400 μ A to 10A
- Resistance 400 Ω to 30M Ω
- Capacitance 50nF to 100 μ F
- Frequency 5Hz to 1MHz
- Duty Cycle 20% to 80%
- Add-on clamp function – with BS64 (optional)
- Continuity/ Diode test
- Relative Measurement
- LED Backlight
- Low Battery Warning
- Auto Power Off
- Data Hold
- CAT III 600V CE-EMC & LVD (Pending)



General Specifications

Display	: 3 3/4 digits LCD with max. reading of 3999.
Polarity	: Automatic, (-) negative polarity indication.
Zero adjustment	: Automatic.
Over range indication	: Only the MSD “OL” 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±5°C, less than 75%RH

DC Voltage Measurement

Range	Resolution	Accuracy	Input Impedance	Overload Protection
400mV	0.1mV	\pm (0.8% Read. +1dgt)	10M Ω	600V DC/AC rms
4V	0.001V			
40V	0.01V			
400V	0.1V			
600V	1V			

AC Voltage Measurement

Range	Resolution	Accuracy	Input Impedance	Overload Protection
400mV	0.1mV	\pm (1.0% Read. +5dgt)	10M Ω	600V DC/AC rms
4V	0.001V			
40V	0.01V			
400V	0.1V			
600V	1V	\pm (1.2% Read. +2dgt)		

Frequency range: 40-400Hz

DC Current Measurement

Range	Resolution	Accuracy	Voltage drop	Overload Protection
400 μ A	0.1 μ A	\pm (1.0% Read. + 5dgt)	400mV	Fast 400mA/250V Fuse
4000 μ A	1 μ A			
40mA	0.01mA	\pm (1.5% Read. + 5dgt)		
400mA	0.1mA			
10A	0.01A			Fast 10A/250V Fuse

AC Current Measurement

Range	Resolution	Accuracy	Voltage drop	Overload Protection
400 μ A	0.1 μ A	$\pm(2.0\%$ Read. + 5dgt)	400mV	Fast 400mA/250V Fuse
4000 μ A	1 μ A			
40mA	0.01mA	$\pm(2.5\%$ Read. + 5dgt)		
400mA	0.1mA			
10A	0.01A			Fast 10A/250V Fuse

Frequency range: 40-400Hz
Resistance Measurement

Range	Resolution	Accuracy	Open circuit voltage	Overload Protection
400 Ω	0.1 Ω	$\pm(0.8\%$ Read. + 2dgt)	Approx. 1.5V	250V DC/AC rms <30 sec.
4k Ω	0.001k Ω			
40k Ω	0.01k Ω			
400k Ω	0.1k Ω			
4M Ω	0.001M Ω			
30M Ω	0.01M Ω	$\pm(2.0\%$ Read. + 2dgt)		

Diode Test

Range	Accuracy	Open circuit voltage	Overload Protection
\blacktriangleright	Approx. 1mA	Approx. 1.5V	250V DC/AC rms <30 sec.

Continuity Test

Range	Buzzer sounds when resistance value < 140 \pm 30 Ω	Open circuit voltage	Overload Protection
$\bullet\cdot\cdot\cdot$)		Approx. 0.6V	250V DC/AC rms <30 sec.

**Capacitance Measurement**

Range	Resolution	Accuracy	Overload Protection
50nF	0.01nF	±(2.0% Read. + 5dgt)	250V DC/AC rms <30 sec.
500nF	0.1nF		
5µF	0.001µF		
50µF	0.01µF	±(2.5% Read. + 5dgt)	
100µF	0.1µF	±(4.0% Read. + 10dgt)	

Test Frequency: Approx .20kHz

Frequency Measurement

Range	Resolution	Accuracy	Min. Input Voltage	Overload Protection
5Hz	0.001Hz	±(1.0% Read. + 2dgt)	1Vp-p	250V DC/AC rms <30 sec.
50Hz	0.01Hz			
500Hz	0.1Hz			
5kHz	0.001kHz		2Vp-p	
50kHz	0.01kHz		8Vp-p	
500kHz	0.1kHz		20Vp-p	
1MHz	0.001MHz			

Duty Cycle Measurement

Range	Resolution	Accuracy	Overload Protection
20 – 80%	0.1%	±(3.5% Read. + 5dgt)	250V DC/AC rms <30 sec.

Clamp Technical Characteristic (Optional BS64 Add-on Clamp)

Range	Output	Accuracy	Overload Protection
400A	1mV/A	±(1.5% Read. + 0.5A) Vpp= 600mV	250V DC/AC rms <30 sec.

Frequency range: 50-60Hz



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BS1804**6000 Counts Auto Range Multimeter with Capacitance, Frequency and Temp Measurement**

Features:

- 6000 Counts LCD display
- DC Voltage 600mV to 600V
- AC Voltage 600mV to 600V
- DC Current 600 μ A to 10A
- AC Current 600 μ A to 10A
- Resistance 600 Ω to 50M Ω
- Capacitance 60nF to 100 μ F
- Frequency 60Hz to 1MHz
- Temperature Measurement in degrees Centigrade and Fahrenheit
- Continuity/ Diode test
- Duty Cycle test
- Relative Measurement
- LED Backlight
- Low Battery Warning
- Auto Power Off
- Data Hold
- CAT III 600V CE-EMC & LVD (Pending)

**General Specifications**

Display	: 3 5/6 digits LCD with max. reading of 5999.
Polarity	: Automatic, (-) negative polarity indication.
Zero adjustment	: Automatic.
Over range indication	: Only the MSD “OL” 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±5°C, less than 75%RH

DC Voltage Measurement

Range	Resolution	Accuracy	Input Impedance	Overload Protection
600mV	0.1mV	\pm (1.0% Read. +2dgt)	10M Ω	600V DC/AC rms
6V	0.001V			
60V	0.01V			
600V	1V			

AC Voltage Measurement

Range	Resolution	Accuracy	Input Impedance	Overload Protection
600mV*	0.1mV	\pm (1.2% Read. +3dgt)	10M Ω	600V DC/AC rms
6V	0.001V			
60V	0.01V			
600V	1V			

*Only available in manual mode

Frequency range: 40-400Hz

DC Current Measurement

Range	Resolution	Accuracy	Voltage drop	Overload Protection
600 μ A	0.1 μ A	\pm (1.2% Read. + 2dgt)	400mV	Fast 630mA/250V Fuse
6000 μ A	1 μ A			
60mA	0.01mA			
600mA	0.1mA			
10A	0.01A	\pm (1.5% Read. + 5dgt)	200mV	Fast 10A/250V Fuse

AC Current Measurement

Range	Resolution	Accuracy	Voltage drop	Overload Protection
600 μ A	0.1 μ A	$\pm(1.5\%$ Read. + 5dgt)	400mV	Fast 630mA/250V Fuse
6000 μ A	1 μ A			
60mA	0.01mA			
600mA	0.1mA			
10A	0.01A	$\pm(2.0\%$ Read. + 5dgt)	200mV	Fast 10A/250V Fuse

Frequency range: 40-400Hz

Resistance Measurement

Range	Resolution	Accuracy	Open circuit voltage	Overload Protection
600 Ω	0.1 Ω	$\pm(1.2\%$ Read. + 5dgt)	Approx. 0.2V	250V DC/AC rms <30 sec.
6k Ω	0.001k Ω			
60k Ω	0.01k Ω			
600k Ω	0.1k Ω			
6M Ω	0.001M Ω	$\pm(2.0\%$ Read. + 5dgt)		
50M Ω	0.01M Ω			

Diode Test

Range	Accuracy	Open circuit voltage	Overload Protection
\blacktriangleright	Approx. 0.6mA	Approx. 1.5V	250V DC/AC rms <30 sec.

Continuity Test

Range	Buzzer sounds when resistance value $\leq 100\Omega$	Open circuit voltage	Overload Protection
$\bullet)))$		Approx. 0.5V	250V DC/AC rms <30 sec.

**Capacitance Measurement**

Range	Resolution	Accuracy	Overload Protection
6nF	0.001nF	±(3.5% Read. + 5dgt)	250V DC/AC rms <30 sec.
60nF	0.01nF		
600nF	0.1nF		
6µF	0.001µF		
60µF	0.01µF	±(5.0% Read. + 5dgt)	
100µF	0.1µF		

Test Frequency: Approx. 20kHz

Frequency Measurement

Range	Resolution	Accuracy	Input Volt.		Overload Protection
			Min.	Max.	
60Hz	0.01Hz	±(2.0%+5)	1Vp-p	250V rms	600V DC/AC rms <30 sec.
600Hz	0.1Hz			200V rms	
6kHz	0.001kHz		4Vp-p	30V rms	
60kHz	0.01kHz		8Vp-p	20V rms	
600kHz	0.1kHz		12Vp-p	15V rms	
1MHz	0.001MHz				

Duty Cycle Measurement

Range	Resolution	Accuracy	Overload Protection
20 – 80%	0.1%	±(3.5% Read. + 5dgt)	250V DC/AC rms <30 sec.

Min. input voltage: 400mV p-p

Temperature K-type Probe

Range	Resolution	Accuracy	Overload Protection
-40 – 400°C	1°C	±(0.75% Read. + 3dgt)	Fast 630mA/250V Fuse
401 – 1000°C		±(2.0% Read. + 5dgt)	
-72 – 752°F	1°F	±(0.75% Read. + 3dgt)	
752 – 1832°F		±(2.0% Read. + 5dgt)	

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BS1805**3 5/6 Digits 6000 Counts Auto Range TRMS Multimeter with Capacitance, Frequency, Duty cycle and Temperature Measurements**

BS1800 is our mellow and hot sell multimeter series. Its appearance has been transformed from traditional into a breakthrough modern elegant resembling double moulded “SilkyCase” design. This series has featured with backlight and variety functions to cover both the manual range BS1801/1802 and auto range BS1803/1804/1805.

BS1800 SilkyCase series has been tested to comply with EN61010-1 CATIII 600V CE standard.

BS1805 is a newly launched 6000 Counts Auto Range model come with True RMS measurement for irregular waveform test under AC Measuring environment.



Features:

- 3 5/6 Digits Auto Range Multimeter
- 6000 Counts LCD display
- DC Voltage 600mV to 600V
- TRMS AC Voltage 600mV to 600V
- DC Current 600 μ A to 10A
- TRMS AC Current 600 μ A to 10A
- Resistance 600 Ω to 50M Ω
- Capacitance 60nF to 100 μ F
- Frequency 60Hz to 1MHz
- Temperature Measurement in degrees Centigrade and Fahrenheit
- Continuity/ Diode test
- Duty Cycle test
- Relative Measurement
- LED Backlight
- Low Battery Warning
- Auto Power Off
- Data Hold
- CAT III 600V CE-EMC & LVD (Pending)

General Specifications

Display	: 3 5/6 digits LCD with max. reading of 5999.
Polarity	: Automatic, (-) negative polarity indication.
Zero adjustment	: Automatic.
Over range indication	: Only the MSD "OL" 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±5°C, less than 75%RH

DC Voltage Measurement

Range	Resolution	Accuracy	Input Impedance	Overload Protection
600mV	0.1mV	±(1.0% Read. +2dgt)	10MΩ	600V DC/AC rms
6V	0.001V			
60V	0.01V			
600V	1V			

TRMS AC Voltage Measurement

Range	Resolution	Accuracy	Input Impedance	Overload Protection
600mV*	0.1mV	±(1.5% Read. +5dgt)	10MΩ	600V DC/AC rms
6V	0.001V			
60V	0.01V			
600V	1V			

*Only available in manual mode

Frequency range: 50-1kHz

DC Current Measurement

Range	Resolution	Accuracy	Voltage drop	Overload Protection
600μA	0.1μA	±(1.2% Read. + 2dgt)	400mV	Fast 630mA/250V Fuse
6000μA	1μA			
60mA	0.01mA			
600mA	0.1mA			
10A	0.01A	±(1.5% Read. + 5dgt)	200mV	Fast 10A/250V Fuse

TRMS AC Current Measurement

Range	Resolution	Accuracy	Voltage drop	Overload Protection
600 μ A	0.1 μ A	$\pm(1.0\%$ Read. + 2dgt)	400mV	Fast 630mA/250V Fuse
6000 μ A	1 μ A			
60mA	0.01mA	$\pm(1.2\%$ Read. + 5dgt)		
600mA	0.1mA			
10A	0.01A	$\pm(2.0\%$ Read. + 5dgt)	200mV	Fast 10A/250V Fuse

Frequency range: 40-1kHz

Resistance Measurement

Range	Resolution	Accuracy	Open circuit voltage	Overload Protection
600 Ω	0.1 Ω	$\pm(1.2\%$ Read. + 5dgt)	Approx. 0.2V	250V DC/AC rms <30 sec.
6k Ω	0.001k Ω			
60k Ω	0.01k Ω			
600k Ω	0.1k Ω			
6M Ω	0.001M Ω			
50M Ω	0.01M Ω	$\pm(2.0\%$ Read. + 5dgt)		

Diode Test

Range	Accuracy	Open circuit voltage	Overload Protection
\blacktriangleright	Approx. 0.6mA	Approx. 1.5V	250V DC/AC rms <30 sec.

Continuity Test

Range	Buzzer sounds when resistance value $\leq 100\Omega$	Open circuit voltage	Overload Protection
$\bullet)))$		Approx. 0.5V	250V DC/AC rms <30 sec.

Capacitance Measurement

Range	Resolution	Accuracy	Overload Protection
60nF	0.01nF	$\pm(3.5\% \text{ Read.} + 5\text{dgt})$	250V DC/AC rms <30 sec.
600nF	0.1nF		
6 μ F	0.001 μ F		
60 μ F	0.01 μ F		
100 μ F	0.1 μ F	$\pm(5.0\% \text{ Read.} + 5\text{dgt})$	

Test Frequency: Approx. 20kHz

Frequency Measurement

Range	Resolution	Accuracy	Input Volt.		Overload Protection
			Min.	Max.	
100Hz	0.1Hz	$\pm(2.0\%+5)$	1Vp-p	200V rms	600V DC/AC rms <30 sec.
1kHz	0.001kHz		4Vp-p	30V rms	
10kHz	0.01kHz		8Vp-p	20V rms	
100kHz	0.1kHz		12Vp-p	15V rms	
1MHz	0.001MHz				

Duty Cycle Measurement

Range	Resolution	Accuracy	Overload Protection
10 – 90%	0.01%	$\pm(2.0\% \text{ Read.} + 5\text{dgt})$	250V DC/AC rms <30 sec.

Min. input voltage: 400mV p-p

Temperature K-type Probe

Range	Resolution	Accuracy	Overload Protection
-40 – 400°C	1°C	$\pm(0.75\% \text{ Read.} + 3\text{dgt})$	Fast 630mA/250V Fuse
401 – 1000°C		$\pm(2.0\% \text{ Read.} + 5\text{dgt})$	
-72 – 752°F	1°F	$\pm(0.75\% \text{ Read.} + 3\text{dgt})$	
752 – 1832°F		$\pm(2.0\% \text{ Read.} + 5\text{dgt})$	

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