

BS74

3 4/5 Digits 1200A AC/DC TRMS Auto Range Clamp Meter

BS74 clamp meter can measure AC/DC current up to 1200A, with AC/DC voltage, resistance, continuity, diode, capacitance and frequency. It also has TrueRMS (TRMS) function, frequency response extended to 1kHz. Simplifies the analysis of complex AC signals. The large 3 4/5 digits digital LCD display (6600 counts) with backlight and LED torch permits an easy readability also in dim light conditions. The instrument is complying with IEC/EN61010-1, CAT IV 600V and it is designed for required high safety and high accuracy measurement both in domestic and industrial environments use.

Features:

- 3 4/5 Digits 6600 counts LCD display with bargraph and backlight
- Bright LED torch
- Open clamp jaw, maximum 52mm
- DC current 660A/1200A
- Trms AC current 660A/1200A
- DC voltage 6.6V to 1000V
- Trms AC voltage 6.6V to 750V
- Frequency response 660kHz
- Resistance 660Ohm to 66MOhm
- Diode and Continuity Test
- Frequency 60Hz to 660kHz
- Capacitance 6.6uF to 66mF
- Inrush current measurement
- ADP measurement
- Zeroing mode
- Relative measurement mode
- DATA/MAX/MIN Hold
- Auto Power Off (user can disable)
- Conform to IEC1010/EN61010-1, CE-EMC & LVD
CATIV 600V/ CATIII1000V





Accessories:

- Test Lead set x 1
- Instruction manual x 1
- Carrying case x 1
- 9V battery x 1

GENERAL SPEIFICATION

Display	: 3 4/5 digits LCD with maximum reading of 6600.
Sampling rate	: 2 samples/second
Polarity	: Automatic, (-) negative polarity indication.
Open clamp jaw	: Maximum 52mm
Zero adjustment	: Automatic.
Over range indication	: Only the message "OL" is displayed.
Power	: Single, standard 9 volt battery NEDA 1604, JIS 006P, IEC6F22.
Dimension	: 93 (W) x 266 (H) x 47 (D) mm.
Weight	: Approx. 580 g (including battery).

TECHNICAL SPECIFICATION

Accuracies are \pm (% of reading + number of least significant digits), at $23 \pm 5^\circ\text{C}$, less than 80%RH

DC current measurement

Range	Resolution	Accuracy	Overload Protection
660A	0.1A	$\pm (1.5\%+5)$	1200A rms (<60 second)
1200A	1A	$\pm (2.0\%+5)$	

Trms AC current measurement

Range	Resolution	Accuracy 50Hz~60 Hz	Overload Protection
660A	0.1A	$\pm (2.0\%+10)$	1200A rms (<60 second)
1200A	1A	$\pm (2.5\%+5)$	

DC voltage measurement

Range	Resolution	Accuracy	Input Impedance	Overload Protection
6.6V	1mV	$\pm (0.5\%+3)$	11M Ω	DC 1000V AC 750V rms
66V	10mV		10M Ω	
660V	100mV			
1000V	1V	$\pm (0.8\%+3)$		

AC voltage measurement

Range	Resolution	Accuracy	Input Impedance	Overload Protection
6.6V	1mV	$\pm (1.2\%+3)$ 50Hz~500 Hz	11M Ω	DC 1000V AC 750V rms
66V	10mV		10M Ω	
660V	100mV			
750V	1V	$\pm (1.5\%+4)$ 50Hz~500 Hz		

AC voltage measurement (TRUE RMS: from 10% to 100% of the range)

Range	Resolution	Accuracy	Input Impedance	Overload Protection
6.6V	1mV	$\pm (1.2\%+3)$ 50Hz~500 Hz	11M Ω	DC 1000V AC 750V rms
66V	10mV	$\pm (1.5\%+5)$	10M Ω	
660V	100mV	500Hz~1kHz		
750V	1V	$\pm (1.5\%+4)$ 50Hz~500 Hz		
		$\pm (2.0\%+5)$ 500Hz~1kHz		

 Input Impedance :10M Ω // less than 100Pf.

Crest factor : >3 :1.

Resistance

Range	Resolution	Accuracy	Max. Open Voltage	Overload Protection
660 Ω	0.1 Ω	$\pm (1.0\%+5)$	Approx.1.5V	DC 600V AC 600V rms
6.6k Ω	1 Ω	$\pm (1.0\%+3)$	Approx. 0.45V	
66k Ω	10 Ω			
660k Ω	100 Ω			
6.6M Ω	1 k Ω			
66M Ω	10 k Ω	$\pm (3.0\%+3)$		

Capacitance measurement

Range	Resolution	Accuracy	Overload Protection
6.6uF	0.001uF	$\pm (2.0\%+8)$	DC 600V AC 600V rms
66uF	0.01uF		
660uF	0.1uF		
6.6mF	1uF	$\pm (5.0\%+10)$	
66mF	10uF		



Frequency measurement

Range	Resolution	Accuracy	Max. Sensibility	Overload Protection
660Hz	0.1Hz	± (0.5%+3)	3V rms	DC 600V AC 600V rms
6.6kHz	1Hz			
66kHz	10Hz			
660kHz	100Hz			

Continuity Test

Range	Resolution	Buzzer	Max. Open Voltage	Overload Protection
•))	0.1Ω	less than 40Ω	Approx.1.2V	DC 600V AC 600V rms

Diode Test

Range	Resolution	Accuracy	Max. Open Voltage	Overload Protection
▶+	10mV	± (1.5%+5)	Approx.3V	DC 600V AC 600V rms

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Due to our policy of continual product development we reserve the right to amend the specifications of all mentioned products without notice.