

BESANTEK AC/DC Digital Clamp Meter is designed to provide many functions for AC/DC current, AC/DC voltage, resistance, capacitance, continuity, frequency and diode test with medium size and tear-drop shaped jaw, it is easy to use in crowded cable areas and other tight places.

## Features:

- 4000-count LCD.
- Full automatic measurement.
- Voltage measurement.
- Current measurement.
- Resistor measurement.
- Capacitor measurement.
- Frequency measurement.
- Range change function.
- Data hold function freezes the reading.
- Continuity check.
- Diode measurement.
- DCA zero adjust shaft.
- Jaw capacity 55mm.
- 3¾ digit LCD.
- Low battery warning indicator.
- Auto power off (APO) function.
- Safety design throughout with no exposed metal parts, shielded banana plugs and recessed input terminals.
- Accessories: Instruction manual, test leads, carrying case and 9V battery.

**BST-CM270**

## Accessories



Test Leads



Carrying Case

## Technical Specification:

BST-CM270								
AC Current	Range	400A			2000A			
	Resolution	0.1A			1A			
	Accuracy	0~1500A: $\pm(1.5\%rdg+4dgt)$ 1500~2000A: $\pm(2.5\%rdg+4dgt)$						
	Frequency Response	40Hz~500Hz						
DC Current	Range	400A			2000A			
	Resolution	0.1A			1A			
	Accuracy	0~1500A: $\pm(1.5\%rdg+4dgt)$ 1500~2000A: $\pm(2.5\%rdg+4dgt)$						
AC Voltage	Range	400mV	4V	40V	400V	750V		
	Resolution	0.1mV	1mV	10mV	100mV	1V		
	Accuracy	$\pm(2.0\%rdg+3dgt)$	$\pm(1.5\%rdg+3dgt)$					
	Overload Protection	750V AC RMS						
	Frequency Response	0~400mV at 40Hz~100Hz, 4V~750V at 40Hz~500Hz						
DC Voltage	Range	400mV	4V	40V	400V	1000V		
	Resolution	0.1mV	1mV	10mV	100mV	1V		
	Accuracy	$\pm(1.0\%rdg+3dgt)$						
	Overload Protection	1000V DC						
Resistance	Range	400 $\Omega$	4k $\Omega$	40k $\Omega$	400k $\Omega$	4M $\Omega$	40M $\Omega$	
	Resolution	0.1 $\Omega$	1 $\Omega$	10 $\Omega$	100 $\Omega$	1k $\Omega$	10k $\Omega$	
	Accuracy	$\pm(1.5\%rdg+3dgt)$					$\pm(2.0\%rdg+4dgt)$	
	Overload Protection	500V AC RMS or 500V DC						
Capacitor	Range	4nF	40nF	400nF	4 $\mu$ F	40 $\mu$ F	400 $\mu$ F	
	Resolution	1pF	10pF	100pF	1nF	10nF	100nF	
	Accuracy	$\pm(3.0\%rdg+5dgt)$					$\pm(15\%rdg+5dgt)$	
	Overload Protection	500V AC RMS or 500V DC						
Continuity	Range	400 $\Omega$						
	Audible Threshold	Less than 25 $\Omega$						
Diode	Range	2V						
	Resolution	1mV						
	Accuracy	$\pm(1.5\%rdg+3dgt)$						
Frequency	Range	4kHz			20kHz			
	Resolution	1Hz			10Hz			
	Accuracy	$\pm(0.5\%rdg+2dgt)$						
	Overload Protection	500V AC RMS or 500V DC						
	Trigger Level	0.2V						
Conductor Size	55mm max.							
Response Time	Approx. 1 second							
Sample Rate	Approx. 2 times per second							
Operating Temperature & Humidity	0°C to 40°C at <80% max. relative humidity							
Storage Temperature & Humidity	-10°C to 50°C at <80% max. relative humidity							
Battery Life	Approx. 50 hours on continuous use							
Power Source	9V battery x 1							
Dimensions	255 (L) x 100 (W) x 42 (D) mm							
Weight	Approx. 515g (battery included)							

## Ordering Information:

- BST-CM270: 2000A AC/DC Digital Clamp Meter.



Safety Standard:

- EN 61010-1 CAT III 600V, EN 61010-2-32, EN 61326-1