

AC CURRENT SENSOR with 4-20mA output

- Output 4-20mA
- Simple clamp on design
- Install while power on
- Top mounted terminals

Model SC200 SERIES

Our split core current transducers convert a monitored AC current to a proportional 4-20mA output.

Applications:

They are used to monitor motors, pumps, conveyors, machine tools and any electrical load where an analogue representation is required over a range of currents. All models are CSA approved and UL listed.

Description:

The SC200 comprises a current transformer, power circuit, precision rectifier, high-gain servo amplifier and span and zero adjustments. Each sensor has three user selectable ranges. The two wire loop powered 4-20mA output is available on two 6-32 screw terminals.

TECHNICAL DATA

Size: Units are 2.5"H x 2.6"W x 1.2"D with an integral mounting base 3.5" long and mounting centres of 3". The through hole is 0.85" square for up to #4/0 cable.

Operating temperature: -55C to +65C.

Case: ABS (Meets UL flammability rating 94V-0)

Accuracy: +/-0.5% of full scale.

Repeatability: +/-0.1% full scale

Frequency: Flat from 20-100 Hz.

Response time: 100 msec (10 to 90%)

Ripple: Less than 10 millivolts

Supply: 21 to 40VDC



Electrical Specifications:

Model	Range	Jumper	Max Current
SC200-1	0 to 10A	None	200 A continuous on any range
	0 to 20A	Mid	
	0 to 50A	High	
SC200-2	0 to 100A	None	1200A for 15 sec on any range
	0 to 150A	Mid	
	0 to 200A	High	

ORDERING DATA

Model SC200-1 for ranges of 0 to 10, 0 to 20 and 0 to 50 amps full scale.

Model SC200-2 for ranges of 0 to 100, 0 to 150 and 0 to 200 amps full scale.

Output is linear with input.

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