

AC Current Sensors

Connect directly to any our Data Logger input channel. Also connects directly to any recorder or data acquisition system that has a 0-5vdc input. No external power required.

- Split core design
- Self powered
- Rugged plastic housing
- Output signal is accurate even at very low input current levels (below 1% of full scale).

Split core construction simplifies installation on existing conductor. Nylon thumb screws, no exposed metal parts; Monitor motors, pumps, or any AC load.



SC200 AC Current Sensor (0-200 amps)

Specifications - AC Current Sensors	
Input Current	AC Current, single phase, 50 - 400 Hz, load power factor 0.5 to 1.0 lead or lag.
Accuracy	±2.0% of reading from 2.5 % to 100% of full scale. ±4% of reading at 1% of full scale.
Bandwidth	10-1000Hz (within ±3db)
Temperature effect	±0.05% (-20 to 85°C)
Response time	250 milliseconds (input from 10% to 90% of full scale).
Ripple	0.5%
Voltage rating	600 Vac. Tested with full wave 10KV impulse for 60 seconds.
Overload	1.6x full scale (continuous).
Surge	3x full scale.

Lead wires	8 ft (2.4 meter) signal cable.
Output signal	Linear 0 - 5vdc
Low range usability	To below 0.1% of full scale.
Overall size	Add 2" to Window size in table below for overall length and height dimension (Add 2.5" for SC1500A). Overall width 1.25" (includes nylon thumbscrews)

Part No.	Range	Window Size	Price \$RM
SC100A	0-100 amps ac	0.5" square	595.00
SC200A	0-200 amps ac	1" square	695.00
SC500A	0-500 amps ac	2" square	1,350.00
SC1500A	0-1500 amps ac	2.5" square	1,550.00