

Split-Core AC Current Sensor SCT-3000

3.00" Opening With Ratings Up To 3000 Amps

Description:

Magnelab's SCT-3000 Series split-core current sensors "sense" AC current up to 3000 Amps passing through the center conductor. Split-core transformers are ideal for installation on existing electrical wiring by snapping around the conductor. The SCT series have a self-locking mechanism. Custom outputs and other parameters are available at customer request.

Features:

- Rated input up to 3000 Amp
- Output of 0.333 Volt at rated current
- Linearity accuracy $\pm 1\%$
- Accuracy at 10% to 130% of rated current
- Phase angle < 2 degrees measured at 50% rated current



- Operates from 50 Hz to 400 Hz
- 8 ft. twisted-pair lead, 22 AWG
- Maximum Voltage: 600 V (on bare conductor)
- UL Standard 61010-1, EN 60044-1
- Operating temperature: -20°C to $+110^{\circ}\text{C}$

PART NUMBER AND RATING	
SCT-3000-000	No Burden Resistor*
SCT-3000-400	400 Amp
SCT-3000-600	600 Amp
SCT-3000-800	800 Amp
SCT-3000-1000	1000 Amp
SCT-3000-1200	1200 Amp
SCT-3000-1500	1500 Amp
SCT-3000-2000	2000 Amp
SCT-3000-3000	3000 Amp

* Zener diode limits the output voltage to 22 V

DIMENSION	INCH	MM
A	5.750	146.05
B	7.500	190.50
C	1.200	30.48
D	3.000	76.20
E	5.000	127.00

