

# Split-Core AC Current Sensor SCT-2000

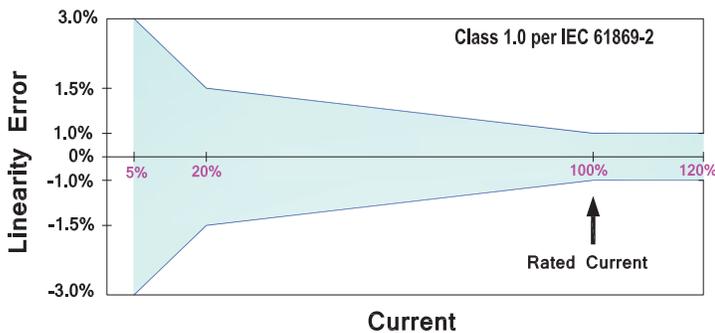
2.00" Opening with Ratings Up to 1500 Amps

Magnelab's SCT-2000 Series Split-Core Current Sensors "sense" AC current up to 1500 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.



## SPECIFICATIONS

Rated Primary Current	Up to 1500 Amp
Rated Output	0.333 V (AC) at rated current
Accuracy	1.0 Class per IEC 61869-2
Phase Displacement	< 2° measured at 50% rated current
Temperatures	UL Rated Ambient: 131°F (55°C) Operating: -4°F (-20°C) to 158°F (70°C) Storage: -4°F (-20°C) to 176°F (80°C)
UL Relative Humidity Rating	85%
Leads	Length: 8 ft (2.4 m) 22 AWG twisted pair Rating: 600 V (UL 1015, UL 1213)
UL Max Voltage	600 V on Primary Conductor
RMS Voltage	3,800 V for AC insulation Test (1 min)
Rated Current Frequency	50-400 Hz
Minimum impedance	75 kOhms
Certifications	UL Standard 61010-1, EN 60044-1
Weight	1.6 lbs (0.73 kg) with 8' leads

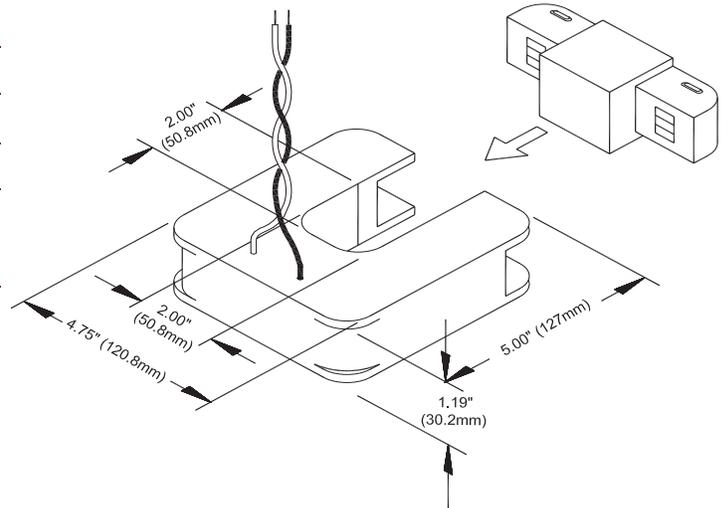


PART NUMBER	RATING
SCT-2000-000	NO BURDEN RESISTOR*
SCT-2000-100	100 AMP
SCT-2000-150	150 AMP
SCT-2000-200	200 AMP
SCT-2000-400	400 AMP
SCT-2000-600	600 AMP
SCT-2000-800	800 AMP
SCT-2000-1000	1000 AMP
SCT-2000-1200	1200 AMP
SCT-2000-1500	1500 AMP

\* Limits the Output Voltage to 22 V

## APPLICATIONS

- Submetering
- Revenue-grade Metering
- Smart Home Energy Management System
- Power Generation Monitoring
- Industrial Pump Monitoring
- Solar Consumption Monitoring
- EV Charging Stations
- Substation LV/MV/HV
- Lifecycle Management of Equipment



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