

# Revenue Grade Split-Core AC Current Sensor SCT-075H

0.75" Opening with Ratings Up to 200 Amps

Magnelab's SCT-075H Series Current Sensors meets ANSI C57.13 revenue grade accuracy class 0.6 with unprecedented linearity and superior phase angle up to 200 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.

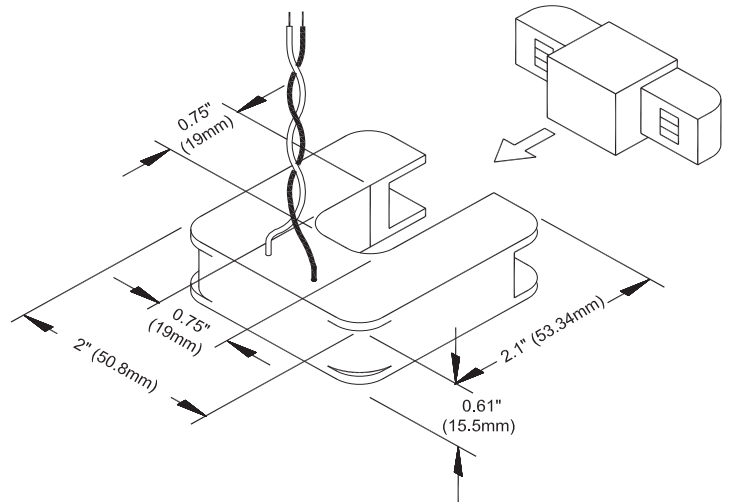
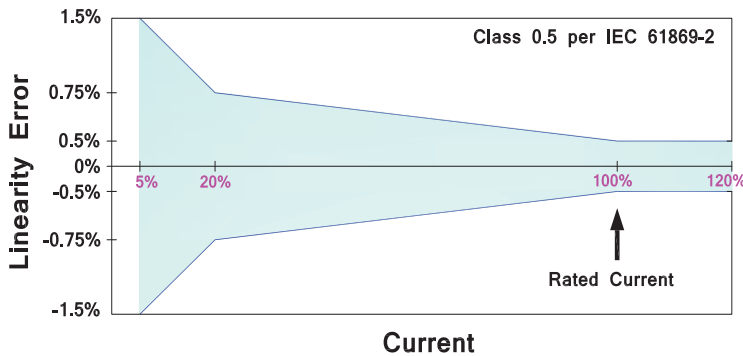


## SPECIFICATIONS

Rated Primary Current	Up to 200 Amp
Rated Output	0.333 V (AC) at rated current
Accuracy	±0.5% Class per IEC 61869-2
Phase angle	0.25°
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	30-1,000 Hz
Minimum impedance	75 kOhms
Certifications	UL Standard 61010-1, EN 60044-1
Weight Approx.	0.29 lbs (0.132 kg) with 8' leads

## 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



SCHEMATIC

PART NUMBER	RATING
SCT-075H-050	50 Amp
SCT-075H-100	100 Apm
SCT-075H-200	200 AMP

