

Split-Core AC Current Sensor SCT-1250

1.25" Opening With Ratings Up To 800 Amps

Description:

Magnelab's SCT-1250 Series split-core current sensors "sense" AC current up to 800 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 available at customer request.

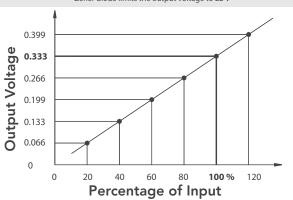
Features:

- Rated input up to 800 Amps
- Output of 0.333 Volt at rated current
- Linearity accuracy ± 1%
- Accuracy at 10% to 130% of rated current
- Phase angle < 2 degrees measured at 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
- Operates temperature: -20°C to +110°C

| PART NUMBER AND RATING | | | |
|---|---------------------|--|--|
| | | | |
| SCT-1250-000 | No Burden Resistor* | | |
| SCT-1250-070 | 70 Amp | | |
| SCT-1250-100 | 100 Amp | | |
| SCT-1250-150 | 150 Amp | | |
| SCT-1250-200 | 200 Amp | | |
| SCT-1250-250 | 250 Amp | | |
| SCT-1250-300 | 300 Amp | | |
| SCT-1250-400 | 400 Amp | | |
| SCT-1250-600 | 600 Amp | | |
| SCT-1250-800 | 800 Amp | | |
| * Zener diode limits the output voltage to 22 V | | | |



c**™**us **(€** RoHS2 ISO 9001:2008

| DIMENSION | INCH | MM | |
|-----------|-------|-------|--|
| | | | |
| А | 3.250 | 82.55 | |
| В | 3.350 | 85.09 | |
| С | 1.000 | 25.40 | |
| D | 1.250 | 31.75 | |
| E | 1.250 | 31.75 | |

