

Part No. **CS-SR-150**

Solid Ring CT Current Sensor

**Sensor Features:**

- Precision CT for Metering
- Current Transformer Technology
- Compact Epoxy Molding
- Sensitive to AC Currents (0.1 to 150 Amps)
- Confirms to ANSI C12xx and IEC 62053.22
- Very Low Noise
- High Sensitivity
- Analog Output Voltage

**Sensor Description:**

The solid ring current transformer is a compact, light weight, high precision sensor for measuring alternating current in electric wires. The sensor uses a current transformer to convert current flowing through a conductor to an equivalent voltage output. It is recommended for fault current monitoring and metering applications. The current transformer uses a single RJ45 shielded cable with 2 pins for the output signals.

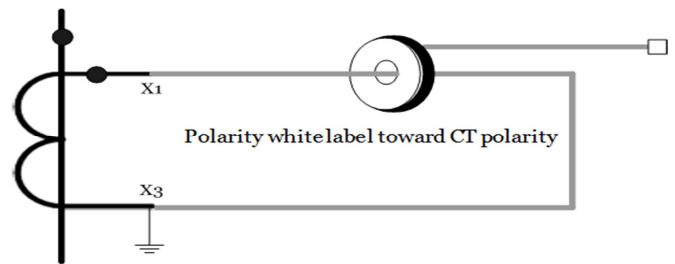
**Sensor Outputs:**

The sensor provides an output signal of 0 to 2.5 volts across pins 3 and 5 of the RJ45 connector. The sensor output is proportional to the actual value of current flow through the wire.

The CT contains a terminating resistor that produces a voltage output and mitigates shock hazard from an open secondary. Careful handling produces the best results, dropping or other impact may cause damage.

**Sensor Specifications:**

Current Range	0.1 to 150 Amps
Accuracy	0.5% Overall
Turns Ratio	2000:1
Dimensions (L x W x H)	0.96" x 1.10" x 0.65" Inches
Opening Diameter	0.345" (9 mm)
Operating Frequency	50/60 Hz
Output Voltage	2.5 Volts
Operating Temperature	-20 to 50 °C
Relative Humidity Range	0 to 85% Non-condensing
Cable Connector Type	RJ45 Male
Phase Angle Error	0.21°

**Contact Us:**

To purchase sensors, please contact our Sales Department at 800-818-3463, [sales@softstuf.com](mailto:sales@softstuf.com)

Hours: Monday - Friday, 9:00 a.m. to 6:00 p.m. EST  
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