

SD-CT-020 • SD-CT-050 • SD-CT-100 • SD-CT-200 • SD-CT-600



Self-Describing Current Transformer Sensor

For use with HOBO MX1104 and MX1105 Multi-Cchannel data loggers, this split-core AC current transformer offers integrated strain relief, so the probe is secured to the logger.

Supported Measurements

AC Current

Features

- Self-Describing technology for quick, easy setup
- Locking jack to ensure sensor is connected and stays connected
- Available in 5 ranges: 2-20, 5-50, 10-100, 20-200, 60-600
- Accuracy of $\pm 2.1\%$ of full scale from 10% to 100%
- AC current, sine wave, single-phase 50 Hz or 60 Hz, load power factor 0.5 to 1.0 lead or lag
- Cable length: 1.8 m (6 ft)
- UL Listed

Contact Us

Sales (8am to 5pm ET, Monday through Friday)

- Email sales@onsetcomp.com
- Call 1-508-759-9500
- In U.S. toll free 1-800-564-4377
- Fax 1-508-759-9100

Technical Support (8am to 5pm ET, Monday through Friday)

- Contact Product Support www.onsetcomp.com/support/contact
- Call 1-508-759-9500
- In U.S. toll free 1-877-564-4377

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Bourne, MA 02532

Self-Describing Current Transformer Sensor (SD-CT-xxx) Specifications

Current Range	see table
Accuracy	±2.1% of full scale (includes logger accuracy)
Response Time	see table
Input Current	AC current, sine wave, single-phase 50 Hz or 60 Hz, load power factor 0.5 to 1.0 lead or lag
Output	0-2.5 V DC
Voltage Rating	600 V AC
Temperature Rating	see table
Construction	Molded plastic housing for indoor use per UL508
Cable	1.8 m (6 ft.)
Window Size	see table
Dimensions	see table

Part No.	Current Range (Amps AC)	Response Time (milliseconds) (from 10% to 90% of Amplitude)	Dimensions			
			Window Size	Outer Length	Outer Width	Height
SD-CT-020	2–20	440	28 x 20 mm (1.1 x 0.8 in.)	79mm (3.1 in.)	71mm (2.8 in.)	36mm (1.4 in.)
SD-CT-050	5-50	200	28 x 20 mm (1.1 x 0.8 in.)	79mm (3.1 in.)	71mm (2.8 in.)	36mm (1.4 in.)
SD-CT-100	10-100	100	28 x 20 mm (1.1 x 0.8 in.)	79mm (3.1 in.)	71mm (2.8 in.)	36mm (1.4 in.)
SD-CT-200	20-200	450	39 x 32 mm (1.54 x 1.26 in.)	100mm (3.92 in.)	120mm (4.72 in.)	29mm (1.14 in.)
SD-CT-600	60-600	490	74 x 62 mm (2.92 x 2.46 in.)	135mm (5.3 in.)	150mm (5.91 in.)	28mm (1.12 in.)

