



## HOBO® SD-CT-xxx Sensor

### Self-Describing Current Transformer Sensor

For use with HOBO MX1104 and MX1105 multi-channel data loggers, this split-core AC current transformer offers integrated strain relief, so the probe is secured to the logger. And it features Self-Describing technology to automatically communicate configuration information to the logger, without any programming or extensive user setup.

#### Supported Measurements:

AC Current



#### Key Advantages:

- 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

HOBO SD-CT-xxx Sensor 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                                                                                    |

CE

The CE Marking identifies this product as complying with all relevant directives in the European Union (EU).

| 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.) |

## Contact Us

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

- ▶ Email [sales@onsetcomp.com](mailto: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 8pm ET, Monday through Friday)

- ▶ Contact Product Support [www.onsetcomp.com/support/contact](http://www.onsetcomp.com/support/contact)
- ▶ Call 1-508-759-9500
- ▶ In U.S. toll free 1-877-564-4377

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