



## HOBO<sup>®</sup> SD-TEMP-xx Sensor

### Self-Describing Air/Water/Soil Temperature

For use with HOBO MX1104 and MX1105 multi-channel data loggers, this air/water/soil temperature sensor 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.



#### Key Advantages:

- Self-Describing technology for quick, easy setup
- Locking jack to ensure sensor is connected and stays connected
- Measurement range of -40° and 100°C (-40° to 212°F)
- Accuracy of  $\pm 0.15^{\circ}\text{C}$  from 0° to 70°C ( $\pm 0.27^{\circ}\text{F}$  from 32° to 158°F)
- Available in lengths of 0.3 m (1 ft), 1.8 m (6 ft), 6.1 m, (20 ft) & 15.2 m (50 ft)

## HOBO SD-TEMP-xx Sensor Specifications

|                                |   |
|--------------------------------|---|
| Measurement Range              | -40° to 50°C (-40° to 122°F) in water; -40° to 100°C (-40° to 212°F) in air                                     |
| Accuracy                       | ±0.15°C from 0° to 50°C (±0.27°F from 32° to 122°F), insert probe 2.3 cm (0.9 inches) minimum; see Plot A       |
| Resolution                     | 0.002° at 25°C (0.003° at 77°F)   |
| Drift                          | <0.1°C (<0.2°F) per year  |
| Response Time in Air           | 2 minutes typical to 90% in air moving 1 m/s (2.2 mph)  |
| Response Time in Stirred Water | 30 seconds typical to 90%   |
| Operating Range                | Sensor tip and cable immersion in fresh water up to 50°C (122°F) for 1 year                                     |
| Probe Housing                  | Copper-plated sensor tip  |
| Probe Dimensions               | 5.1 x 33 mm (0.2 x 1.3 inches)  |
| Cable Length                   | SD-TEMP-01: 0.3 m (1 ft)<br>SD-TEMP-06: 1.8 m (6 ft)<br>SD-TEMP-20: 5.1 m (20 ft)<br>SD-TEMP-50: 15.2 m (50 ft) |

## 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 6pm 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

Onset Computer Corporation  
470 MacArthur Boulevard  
Bourne, MA 02532