ONSET

SD-TEMP-xx

Self-Describing Air/Water/Soil Temperature Sensor

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.

Product Numbers:
 SD-TEMP-01
 SD-TEMP-06
 SD-TEMP-20
 SD-TEMP-50

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 ±0.15°C from 0° to 70°C (±0.27°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) SD-TEMP-06: 1.8 m (6 ft) SD-TEMP-20: 5.1 m (20 ft) SD-TEMP-50: 15.2 m (50 ft)

Contact Us

Sales (8am to 5pm ET, Monday through Friday)
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▶ In U.S. toll free 1-800-564-4377
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Technical Support (8am to 6pm ET, Monday through Friday)
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