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# HOBO Self-Describing Air/Water/Soil Temperature Sensor (SD-TEMP-01 (0.3m), SD-TEMP-06 (1.8 m), SD-TEMP-20 (6.1m), SD-TEMP-50 (15.2m))

## Product Images

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## Short Description

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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.

## Description

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For use with HOBO [MX1104](#) and [MX1105](#) multi-channel wireless data loggers; this air/water/soil temperature sensor offers integrated strain relief, so the probe remains 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 Features

- 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)
- Data can be remotely accessed via the web, if the MX1104/MX1105 data logger is combined with an [MX Gateway](#).

## Additional Information

Country of Manufacture	United States	
Explanation	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: 6.1 m (20 ft) SD-TEMP-50: 15.2 m (50 ft)
Brand	Onset HOBO	
Connector Type	Locking jack to ensure sensor is connected and stay connected	
Probe Included	Yes	
Housing	Cable	
Typical applications	Building Monitoring, Building Performance, Environmental (Indoor), Environmental (Outdoor), Field Research	
Measurements	Soil Temperature, Temperature, Water Temperature	

Compatible With

HOBO MX1104 & MX1105 Wireless Analogue Multi-channel Data Loggers

## Additional Options

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Cable Length	
	1.8 m (6 ft) SKU: SD-TEMP-06
	6.1 m (20 ft) SKU: SD-TEMP-20
	15.2 m (50 ft) SKU: SD-TEMP-50