ENVIROMONITORS

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HOBO S-TMB-M006 12-Bit Temperature Smart Sensor (6m cable)

Product Images

Short Description

This 12-bit Temperature Smart Sensor provides < ± 0.2° C total accuracy (< ±0.36° F) and resolution of < ± 0.03° C (< ±0.054° F) over a range of 0° to 50° C (32° to 122° F). Its full measurement range is -40° to 100° C (-40° to 212° F). A selectable measurement-averaging feature improves accuracy further. The sensor also features a stainless steel sensor tip and robust cable rated for immersion in water up to 50° C for up to 1 year.

This model has a cable length of 6m.

Description

The 12-bit Temperature Smart Sensor provides < ± 0.2° C total accuracy (< ±0.36° F) and resolution of < ± 0.03° C (< ±0.054° F) over the range of from 0° to 50° C (32° to 122° F). The full measurement range is -40° to 100° C (-40° to 212° F). A selectable measurement-averaging feature further improves accuracy. Reliable service is assured by a stainless steel sensor tip and robust cable rated for immersion in water up to 50° C for up to 1 year. This model has a cable length of 6m.
Also available in a wireless model for use with the HOBOnet Field Monitoring System.

S-TMB-M006 Key Features

- Measurement range of -40° to 100°C (-40° to 212°F)
- Stainless steel sensor tip
- Sensor and cable rated for immersion in water or soil up to 50°C for up to 1 year

For use in Indoor, Outdoor and Underwater environments

Supports the following measurements: Temperature, Water Temperature

Additional Information

Explanation	To see the full specifications for this product, please see the product manual found under the Resources tab. **Measurement range:** -40° to 100°C (-40° to 212°F) sensor tip* **Accuracy:** < ±0.2°C from 0° to 50°C (< ±0.36°F from 32° to 122°F) **Resolution:** < ±0.03°C from 0° to 50°C (< ±0.054°F from 32° to 122°F) **Drift:** < ±0.1°C (0.18°F) per year **Response time (to 90% of change):** < 3 minutes typical to 90% in 1 m/sec air flow < 30 seconds typical to 90% in stirred water **Measurement averaging option:** Yes **Environmental rating:** Waterproof sensor tip and cable rated for 1-year immersion in water up to 50°C **Housing:** Stainless steel sensor tip **Dimensions:** 5.1 x 33 mm (0.2 x 1.3 inches) **Approximate weight:** 100 g (1 oz), 310 g (4 oz), 880 g (12 oz) — varies with cable length **Cable length:** 6.0 m (19.7 ft) **Number of data channels:** 1 **Length of Smart Sensor network cable:** 0.5 m (1.6 ft) * Sensor tip and cable immersion in fresh water up to 50°C (122°F) for one year. Cable electronics are rated for up to 75°C (167°F). Radiation Shield strongly recommended for use in sunlight (part # RS3) ❌ - The CE Marking identifies this product as complying with all relevant directives in the European Union (EU).
Brand	Onset HOBO
Housing	Cable
Measurements	Temperature
Compatible With	H22-001 Energy Data Logger, U14-002 External Temperature/RH LCD Data Logger, U30-NRC USB Weather Station Data Logger, H21-USB Micro Station Data Logger, RX3000 Remote Monitoring Station Data Logger, U30-NRC-SYS-C