ONSET

S-TMB-M006 Sensor

12-Bit Temperature (6m cable) Smart Sensor

The 12-bit Temperature Smart Sensor provides < \pm 0.2° C total accuracy (< \pm 0.36° F) and resolution of < \pm 0.03° C (< \pm 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 one year. This model has a cable length of 6m.

Also available in a wireless model for use with the HOBOnet Field Monitoring System.



Supported Measurements:

Temperature and Water Temperature

Key Advantages:

- 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

S-TMB-M006 Sensor Specifications

Measurement range: -40° to 100°C (-40° to 212°F) sensor tip* Accuracy: $< \pm 0.2$ °C from 0° to 50°C ($< \pm 0.36$ °F from 32° to 122°F) Resolution: $< \pm 0.03$ °C from 0° to 50°C ($< \pm 0.054$ °F from 32° to 122°F)

Drift: $< \pm 0.1$ °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)

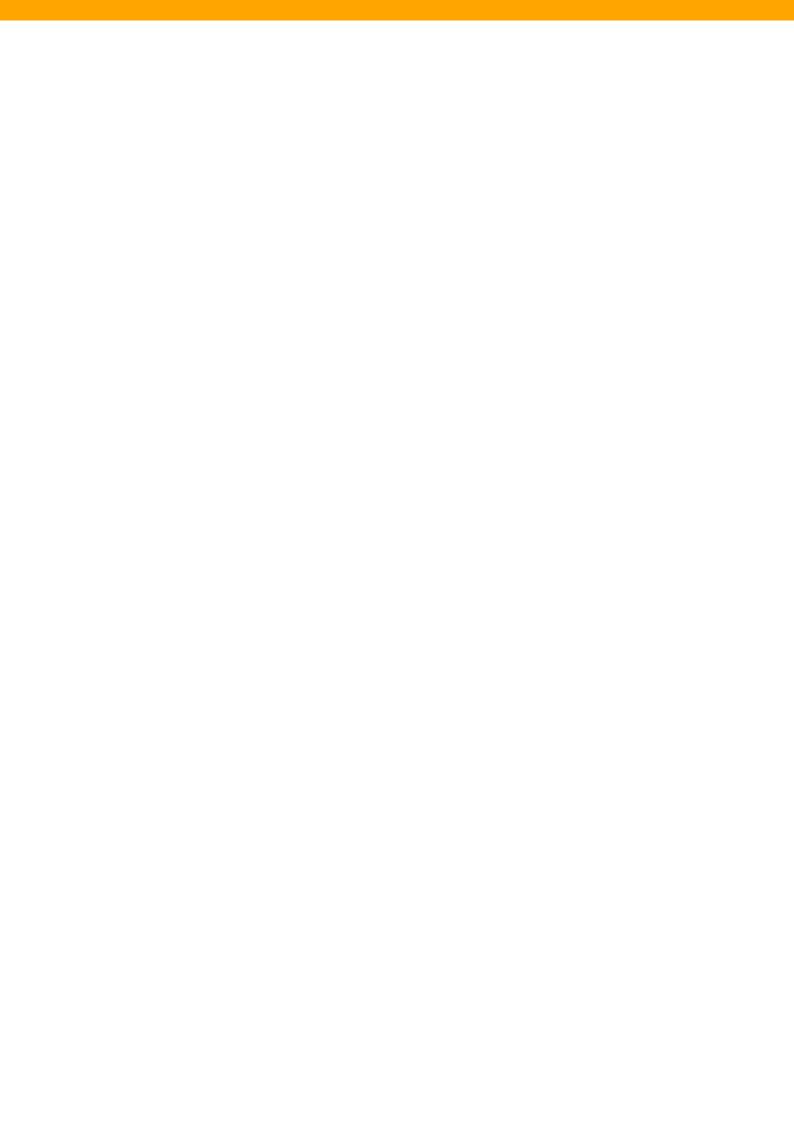
Approximate weight: 100 g (1 oz), 310 g (4 oz), 880 g (12 oz) — varies with cable length

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)

 \mathbf{C} - The CE Marking identifies this product as complying with all relevant directives in the European Union (EU)



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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