S-TMB-M017 Sensor

12-Bit Temperature (17 m cable) Smart Sensor

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 17m.

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-M017 Sensor Specifications

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: 17 m (55.8 ft)

Number of data channels: 1

Length of Smart Sensor network cable: 0.5m (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 # M-RSA)

$C\epsilon$ - 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)
▶ Email 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 8pm ET, Monday through Friday)
▶ Contact Product Support 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