

The following sensors have been qualified by Onset for use with the HOBO® FlexSmart Logger. Smart sensors are manufactured by Onset and are also compatible with HOBO® Weather Station and Micro Station loggers; additional smart sensors for weather monitoring are also available.

Many other third-party sensors can also be interfaced with the HOBO® FlexSmart Logger using the FlexSmart True RMS or Analog modules. See FlexSmart module specifications for sensor output requirements.

## **8-bit Temperature Smart Sensor (Part # S-TMA-M0XX) \$75**

Measurement Range: -40° to 75°C (-40° to 167° F)

Accuracy: ± 0.7° @ 25°C (1.3° @ 77°F)

Resolution: 0.4° @ 25°C (0.7° @ 77°F)

Drift: < 0.1°C (0.2°F) per year

Environment: Sensor tip and cable rated for 1-year immersion in fresh water ≤50°C (122°F)

Response time: < 2 minutes typical to 90%, in 2 m/sec airflow

Measurement Averaging: No

Housing: Stainless steel sensor tip

Dimensions: 0.7 cm x 3.8 cm (0.28" x 1.5")

Cable lengths: 2 m, 6 m, 17 m (6.5', 20', 56')

Weight: 90 g, 140 g, 300 g (3.3 oz, 5.2 oz, 11.2 oz) – varies with cable length

# Data channels: 1

## **12-Bit Temperature Smart Sensor (Part # S-TMB-M0XX) \$90**

Measurement Range: -40° to 75°C (-40° to 167°F)

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 (0.2°F) per year

Environment: Sensor tip and cable rated for 1-year immersion in fresh water ≤ 50°C (122°F)

Response Time: < 2 minutes typical to 90% in 2 m/sec airflow

Measurement Averaging: Yes

Housing: Stainless steel sensor tip

Dimensions: 0.7 x 3.8 cm (0.28 x 1.5")

Cable Lengths: 2 m, 6 m, 17 m (6.5', 20', 56')

Weight: 90 g, 140 g, 300 g (3.3 oz, 5.2 oz, 11.2 oz) – varies with cable length

# Data channels: 1

\* Sensor accuracies are in addition to FlexSmart module accuracies, where applicable.