

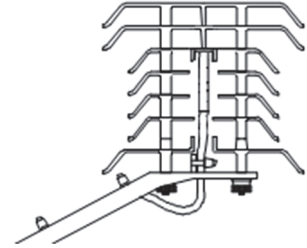
12-Bit Temperature Smart Sensor (S-TMB-M0xx) Quick Start

Connecting to a Station

1. Stop the station if it is logging.
2. Plug the smart sensor jack into an open smart sensor port on the station.
3. Start logging. See the station manual at www.onsetcomp.com/support/manuals for details on operating stations with smart sensors.

Mounting the Smart Sensor

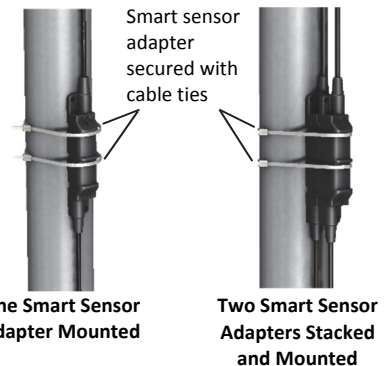
- Mount the sensor so that at least 10 cm (4 in.) of the sensor cable is placed in the medium that is being measured. The temperature sensor is approximately 0.32 cm (0.125 in.) from the end of the stainless steel tip.
- If you are mounting the sensor in water, place the sensor cable on the side of the mounting post facing downstream to protect the sensor cable from getting damaged by floating debris.
- A solar radiation shield is strongly recommended when measuring outdoor air temperatures because solar radiation can significantly affect air temperature readings. Mount the sensor with the solar radiation shield (RS3-B) as shown and refer to the solar radiation shield manual at www.onsetcomp.com/support/manuals for additional details.



21838-A MAN-S-TMB-QSG

Deployment Guidelines

- To minimize measurement errors due to ambient RF, use the shortest possible probe cable length and keep the probe cable as far as possible from other cables.
- Secure the smart sensor adapter to the mast with the cable ties as shown. Multiple smart sensor adapters can be stacked as shown in the far right example. Alternatively, mount the smart sensor adapter to a flat surface using two screws (no larger than a #6) and two washers.
- If the sensor cable is left on the ground, use conduit to protect against animals, lawn mowers, exposure to chemicals, etc.



For more information about this smart sensor, refer to the full product manual. Scan the code at left or go to www.onsetcomp.com/support/manuals/7105-man-s-tmb.