



## RS3-B

### Solar Radiation Shield

Use the RS3-B Solar Radiation Shield with HOBO external sensors for improved temperature measurement accuracy in locations exposed to sunlight. The small size and unobstructed airflow of this shield provides a faster response to changing conditions than larger radiation shields.

The RS3-B Solar Radiation Shield works with most of Onset's external temperature and temperature/relative humidity sensors, including those for our award-winning HOBO Weather Station products.

For customers looking for a radiation shield large enough to mount a HOBO data logger inside it, Onset also offers two other models of solar radiation shields; the RS1 and the pre-assembled M-RSA



Data Logging Solutions  
Australia & New Zealand



### Contact Information for Australia and New Zealand

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## RS3-B Specifications

**Time response:** 2.5 times faster than the RS1 and M-RSA

**Wind resistance:** Tested in sustained winds up to 129 kph (80 mph), Tested in gusts up to 161 kph (100 mph)

### Materials

**Shield:** ASA styrene (UV-stable)

**Bracket:** Glass-filled nylon (UV-stable)

**Mounting hardware:** Stainless steel and brass

**Temperature:** -40° to 75°C (-40° to 167°F)

**Weight:** 113 g (4 oz)

**Height:** 89 mm (3.5 inches); 159 mm (6.25 inches) with bracket

**Diameter:** 102 mm (4 inches); bracket protrudes an additional 51 mm (2 inches) from shield

**Mounting:** Up to 51 mm (2 inches) mast diameter with hose clamp; unlimited with screws

**Compatible sensors:** Onset part numbers S-THB-M00X, S-TMA-M0XX, S-TMB-M0XX, TMCx-HB, TMCx-HD, W-TMB, and external sensors from U23-00X; NOT compatible with S-THA

**Note:** This shield does not protect sensors from light reflected from below the shield at some angles. For deployments over reflective surfaces, consider using Onset's RS1 or M-RSA Solar Radiation Shields.

## Contact Us

Sales (8am to 5pm ET, Monday through Friday)

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