



HOBO[®] 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



HOBO 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

Maximum Sensor Diameter: 1.22 cm (0.48 inches)

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

Compatible sensors: S-THB-M00x, S-TMB-M0xx, RXW-THC-xxx, RXW-TMB-xxx, TMCx-HD, and external sensors from U23-00x or MX230x.

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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▶ In U.S. toll free 1-800-564-4377

▶ Fax 1-508-759-9100

Technical Support (8am to 6pm ET, Monday through Friday)

▶ Contact Product Support www.onsetcomp.com/support/contact

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