



HOBO S-LIB-M003 Solar Radiation (Silicon Pyranometer) Smart Sensor with 3m Cable

Product Images



Short Description

Measures light levels; rapid deployment, with no complicated programming or setup required; compatible

with H21, H22, U30 and RX family loggers.

Description

A silicon pyranometer sensor that effectively measures light levels. Rapid deployment, with no complicated programming or setup required. This sensor offers a measurement range of 0 to 1280 W/m² over a spectral range of 300 to 1100 nm. A measurement averaging mode is available.

Key Features

- Measurement range of 0 to 1280 W/m² over a spectral range of 300 to 1100 nm
- Plug-n-play smart sensor
- Compatible with H21, H22, U30 and RX family loggers

Country of Origin: United States

Also available in a [wireless model](#) for use with the HOBOnet Field Monitoring System.

Additional Information

Explanation	<p>Measurement range: 0 to 1280 W/m² Operating temperature range: -40° to 75°C (-40° to 167°F) Accuracy: ±10 W/m² or ±5%, whichever is greater in sunlight. Additional temperature induced error ±0.38 W/m² /°C from 25°C (0.21 W/m² /°F from 77°F) Resolution: 1.25 W/m² Drift: <±2% per year Spectral range: 300 to 1100 nm Cosine response error: ±5%, 0° to 70°; ±10%, 70° to 80° from vertical Azimuth error: ±2% error at 45° from vertical, 360° rotation Calibration: Factory recalibration available Housing: anodized aluminum housing with acrylic diffuser and o-ring seal Dimensions: 4.1 cm high x 3.2 cm diameter (1 5/8 in. x 1 1/4 in.) Approximate weight: 120 g (4 oz) Cable length: 3 m (9.8 ft) Length of Smart Sensor Network Cable: 3 m Measurement parameters: average over logging interval, user-defined sampling interval from 1 second <small>Note: Light sensor bracket (M-LBA) and light sensor level (M-LLA) recommended</small></p> <p>Compatible Items USB Data Loggers - requires external sensor(s) HOBO H22 Energy Data Logger H22-001 HOBO U30 USB Weather Station U30-NRC HOBO USB Micro Station Data Logger H21-USB Web-based Monitoring Systems - via remote communication RX3000 Remote Monitoring Station RX3000 MicroRX Station RX2100 MicroRX Water Level Station RX2100-WL USB Data Loggers - w/external sensor(s) HOBO U30 USB Weather Station Starter Kit U30-NRC-SYS-C</p>
Brand	Onset HOBO
Typical applications	Environmental (Outdoor), Field Research, Weather Monitoring
Measurements	Evapotranspiration, Light Intensity, Solar Radiation