

S-LIB-M003

Solar Radiation (Silicon Pyranometer) Smart Sensor

Measures light levels; rapid deployment, with no complicated programming or setup required; compatible with H21, H22, and U30 family loggers



Supported Measurements

Evapotranspiration, Light Intensity, Solar Radiation

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 RX Stations, H21, H22, and U30 family loggers

Contact Us

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

- Email sales@onsetcomp.com
- Call 1-508-759-9500
- In U.S. toll free 1-800-564-4377
- Fax 1-508-759-9100

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

- Contact Product Support www.onsetcomp.com/support/contact
- Call 1-508-759-9500
- In U.S. toll free 1-877-564-4377

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Solar Radiation (Silicon Pyranometer) Smart Sensor (S-LIB-M003) Specifications

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

Note: Light sensor bracket (M-LBA) and light sensor level (M-LLA) recommended



- The CE Marking identifies this product as complying with all relevant directives in the European Union (EU)