ONSET

HOBO® S-LIB-M003 Sensor

Solar Radiation (Silicon Pyranometer) Smart Sensor

Effectively measure light levels with this silicon pyranometer sensor. The Solar Radiation Smart Sensor enables rapid deployment. Since HOBO data loggers recognize this sensor, no complicated programming or setup is required. This product 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.

Also available in a wireless model for use with the HOBOnet Field Monitoring System.

Key Advantages:

- 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, and U30 family loggers

HOBO S-LIB-M003 Sensor Specifications

Measurement range: 0 to 1280 W/m^2
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/m^2 /°C from 25°C (0.21 W/m^2/°F from 77°F)

Resolution: 1.25 W/m^2
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

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