ONSET

S-LIA-M003

Photosynthetic Light (PAR) Smart Sensor

The Photosynthetic Light (PAR) Smart Sensor is intended to measure light intensity for the frequencies relevant for photosynthesis. This sensor has a measurement range of 0 to 2500 umol/m2/sec over wavelengths from 400 to 700 nm. Enclosed in a anodized aluminum housing with acrylic diffuser and o-ring seal, this model has a 3m cable; a light sensor bracket and light sensor level are recommended.

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

Key Advantages:

- Measurement range of 0 to 2500 umol/m2/sec over wavelengths from 400 to 700 nm
- Plug-n-play smart sensor
- Compatible with RX, H21, H22, and U30 family loggers

HOBO S-LIA-M003 Sensor Specifications

Measurement parameters: average over logging interval, user-defined sampling interval from 1 second

Measurement range: 0 to 2500 umol/m^2/sec, wavelengths of 400 to 700 nm
Operating temperature range: -40° to 75°C (-40° to 167°F)

Accuracy: ±5 umol/m^2/sec or ± 5%, whichever is greater in sunlight; additional temperature-induced error ±0.75

umol/m^2/sec/degree C from 25°C. Cosine corrected 0 - 80 degrees, 360 degree rotation.

Resolution: 2.5 umol/m^2/sec
Drift: <±2% per year
Response time:
Housing: anodized aluminum housing with acrylic diffuser and o-ring seal
Dimensions: 4.1 cm height x 3.2.4 cm diameter (1 5/8" height x 1 1/4" diameter)
Approximate weight: 120 g (4 oz)
Cable length: 3 meter (10')
Length of Smart Sensor Network Cable: 3m

Note: Light sensor bracket and light sensor level recommended

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

Contact Us

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