

SENSOR DE LUZ FOTOSINTÉTICA S-LIA-M003



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 $\mu\text{mol}/\text{m}^2/\text{sec}$ 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.

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

Measurement range: 0 to 2500 $\mu\text{mol}/\text{m}^2/\text{sec}$, wavelengths of 400 to 700 nm

Operating Temperature Range: -40° to 75°C (-40° to 167°F)

Accuracy: ± 5 $\mu\text{mol}/\text{m}^2/\text{sec}$ or $\pm 5\%$, whichever is greater in sunlight; additional temperature-induced error ± 0.75 $\mu\text{mol}/\text{m}^2/\text{sec}/\text{degree C}$ from 25°C . Cosine corrected 0 - 80 degrees, 360 degree rotation.

Resolution: 2.5 $\mu\text{mol}/\text{m}^2/\text{sec}$

Drift: $<\pm 2\%$ 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')

Note: Light sensor bracket and light sensor level recommended