



2365 NE Hopkins Court
 Pullman, WA 99163
 Phone: 509-332-5600
 support@decagon.com
 DECAGON.COM

Installation and maintenance information on the back.

$$\mu\text{molm}^{-2}\text{s}^{-1} = \text{RAW}(1500/4096)5.0$$

Use the following equation to convert the raw data recorded by the Em50 logger to get photosynthetic photon flux. (μmol per square meter second):

Conversion Equation:

Specifications
Cable Length: 3 m
Range: 0 to 5,000 $\mu\text{molm}^{-2}\text{s}^{-1}$ (0 – 1000 mV)
Dimensions: 2.4 cm diameter, 2.75 cm high
Warranty: 1 year parts and labor
Logger Requirements: Em50 firmware 1.14 or newer



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PAR Photon Flux Sensor Model QSO-S

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Apogee Instruments
721 W 1800 N
Logan, UT 84321
Phone: 435-792-4700
apogeeinstruments.com

Please contact Apogee Instruments for information on their calibration services:
Decagon and Apogee recommend calibrating your PAR Photon Flux Sensor every 1 to 2 years.

Small changes in the level of the sensor can also cause errors. Make sure that the top of the domed sensor body is kept horizontal. Use the included leveling plate to ensure the sensor is level.
The biggest error is often caused by dirt on the lens of the sensor. The domed top is self-cleaning, but measurement accuracy will be improved if the lens is wiped with a clean, soft cloth at frequent intervals.

Common Errors:

Installation:
The sensor should be mounted with the cable pointing toward the nearest magnetic pole. For example: in the Northern Hemisphere, point the cable toward the North Pole. In the Southern Hemisphere, point the cable toward the South Pole.

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