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



Installation and maintenance information on the back.

by the Em50 logger to get photosynthetic photon flux. (µmol per square meter second):

 $\mu$ molm<sup>-2</sup>s<sup>-1</sup> = RAW(1500/4096)5.0

Use the following equation to convert the raw data recorded

**Range:** 0 to 5,000 µmolm<sup>-2</sup>s<sup>-1</sup> (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 Logger Requirements: Em50 firmware 1.14 or newer

Specifications

Cable Length: 3 m

**Conversion Equation:** 

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Specifications Cable Length: 3 m **Range:** 0 to 5,000 µmolm<sup>-2</sup>s<sup>-1</sup> (0 – 1000 mV) Dimensions: 2.4 cm diameter, 2.75 cm high

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**Conversion Equation:** 

PAR Photon Flux

Sensor Model QSO-S

# PAR Photon Flux Sensor Model QSO-S

# S-OSO IaboM YO2R92 **PAR Photon Flux**

# S-OSO Isbom Yoaki QSO-S PAR Photon Flux

Logger Requirements: Em50 firmware 1.14 or newer Warranty: 1 year parts and labor Dimensions: 2.4 cm diameter, 2.75 cm high (Vm 000, - 0) <sup>1</sup>.s<sup>2</sup> mlomu 000, d of 0 :98ns? Cable Length: 3 m Specifications

# Conversion Equation:

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

 $0.2(300 \pm 0.002)$  WAR = <sup>1</sup> s<sup>2</sup> mlomy

Installation and maintenance information on the back.



we measure the world

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### Conversion Equation:

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 $0.2(3004 \times 10^{-1})$  WAA = <sup>1-</sup>s<sup>5</sup> mlomu

Installation and maintenance injormation on the back.



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Installation and maintenance information on the back.

Use the following equation to convert the raw data recorded

by the Em50 logger to get photosynthetic photon flux. (µmol

calibration services:

Installation:

**Apogee Instruments** 721 W 1800 N Logan, UT 84321

Phone: 435-792-4700

apogeeinstruments.com

Decagon and Apogee recommend calibrating your PAR Photon Flux Sensor every 1 to 2 years.

Please contact Apogee Instruments for information on their calibration services:

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:**

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.

The sensor should be mounted with the cable pointing

Installation:

### installation:

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

### Common Errors:

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Photon Flux Sensor every 1 to 2 years. AAA nuov gnitstic bnammooar aagodA bna nogeoaD

calibration services: Please contact Apogee Instruments for information on their

## N 0081 M 17/ Apogee Instruments

apogeeinstruments.com Phone: 435-792-4700 Logan, UT 84321

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In the Southern Hemisphere, point the cable toward the South Pole. **Common Errors:** 

Northern Hemisphere, point the cable toward the North Pole.

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