

Document Title: <b>PAR Photon Flux Sensor Information Sheet</b>		Part # <b>13496</b>	
		Release Date: <b>08/19/08</b>	
Rev.	Description	Revision By	Date
-01	Updated phone number, text, logo	DDH	5/29/12
-02	Update description and formatting	DDH	8/23/13
Date -- Time	Uploaded insert to repository. Available at <a href="http://publications.decagon.com">http://publications.decagon.com</a> . Please ask archivist for previous versions or use Beanstalk application.	NJR	10/28/13
	Changed dimensions from 4 in x 6 in to 4 in x 5.5 in	Allison	5/23/2016

**Decagon and Vendor Production File Name:**

[http://manuals.decagon.com/Inserts/13496\\_PAR Photon Flux\\_Print.pdf](http://manuals.decagon.com/Inserts/13496_PAR Photon Flux_Print.pdf)

**Dimensions:** 4 in x 5.5 in

**Colors:** Full Color

**Material:** 80 lbs/ 216 g/m<sup>2</sup> Long Grain White (14583)

**Finish:** Cut to Size

**Adhesive:** None

**Serialization:** None

**Serial Number Example:** NA

**Serial Number Text:** NA

**Special Notes:** Pages are duplexed front to back

Illustration is Ref Only

\*\*Not to scale \*\*

**PAR Photon Flux Sensor**  
Model QSO-S

**Specifications:**

**Cable Length:** 3 m

**Range:** 0 to 5000  $\mu\text{mol}\cdot\text{m}^{-2}\cdot\text{s}^{-1}$  (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

**Conversion Equation:**

Use the following equation to convert the raw data recorded by the Em50 logger to get photosynthetic photon flux. ( $\mu\text{mol}$  per square meter second):

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

Installation and maintenance information on the back.

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