



## In Water Digital Linear PAR Sensor Calibration

Date: January 28, 2014  
Customer: Teledyne Webb Research  
Project Number: 2013-7020  
Model: PAR LIN 600m  
Serial Number: 464

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### Calibration Coefficients

$I_m = 1.3589$   
 $a_0 = 2157407251.8$  [count]  
 $a_1 = 2.4517782299611 \times 10^{-6}$  [ $\mu\text{mol photons/m}^2/\text{s/count}$ ]

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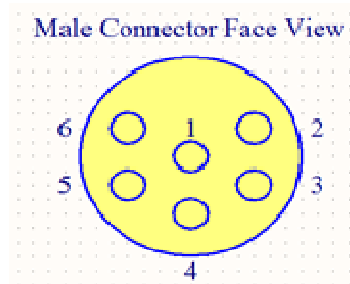
Equation:  $y = I_m * a_1 (x - a_0)$

where,  
PAR is  $y$  [ $\mu\text{mol photons/m}^2/\text{s}$ ]  
Digital signal is  $x$  [count]

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**Table 1 - Connector Pin Descriptions**

Pin	Signal	Description
1	GND	Power Supply Return
2	RX	RS232
3	TX	RS232
4	Power	Power
5	NC	Not Connected
6	NC	Not Connected



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