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PAR-LOG Calibration Sheet

Date: December 15, 2022

Serial #: 1379
Model #: PARLOGICSW
SR #: 1005517476
Customer: University of Maine

Calibration Coefficients

$$a_0 = 1.006570526$$

$$a_1 = 8.091737E-01$$

$$I_m = 1.3589$$

$$PAR = I_m \cdot 10^{(signal - a_0)/a_1} \quad [\mu\text{mol photons}/\text{m}^2/\text{s}]$$

For users of Sea-Bird Electronics data processing software, SEASOFT, calibration coefficients are converted in accordance with SEA-BIRD electronics application note No. 11 QSP-L. The corresponding coefficients for use in SEASOFT are :

$$\begin{aligned} multiplier &= 1.0 \\ B &= a_0 \\ M &= a_1 \\ Calibration_const &= 10^9 \\ offset &= 0 \end{aligned}$$