

Job No.: R9978

Calibration Date: 07/17/08

Model Number: OCP2300-HP

Serial Number: 70135

Operator: AMB

Standard Lamp: S1537(10/25/2006)

Operating Voltage Range: 6 to 15 VDC (+)

Note: The QCP2300-HP output is a voltage that is proportional to the log of the incident irradiance. To calculate irradiance, use this formula:

Irradiance = Calibration factor * (10^Light Signal Voltage - 10^Dark Voltage)

Dry Calibration Factor: 3.15E+12 quanta/cm^2-sec per volt 5.24E-06 μEinsteins/cm^2-sec per volt
Wet Calibration Factor: 3.32E+12 quanta/cm^2-sec per volt 5.51E-06 μEinsteins/cm^2-sec per volt

Sensor Test Data and Results²⁾

Sensor Supply Current (Dark): 3.3 mA

Supply Voltage: 6 Volts

Lamp Integrated PAR Irradiance: 8.83E+15 quanta/cm^2-sec 0.01467 μEinsteins/cm^2sec

Immersion Coefficient: 0.95

Table with 10 columns: Nominal Filter OD, Expected Transmission, Calibrated Trans., Sensor Voltage, Expected Voltage, Voltage Error, Measured Trans., Transmission Error, Test Irrad. (quanta/cm^2-sec). Rows include values for 0.3, 0.5, 1, 2, 3 filters and RG780.

Dark Before: 0.004 Volts
Light - No Filter Hldr.: 3.448 Volts
Dark After - NFH: 0.004 Volts
Average Dark 0.0042 Volts

Notes:

1. Annual calibration is recommended.

2) This section is for internal use and for more advanced analysis.