

Calibration Date: 03/18/11

Job No.: R10898

Model Number: QCP2300

Serial Number: 70135

Operator: TPC

Standard Lamp: GS-1024(8/28/08)

Operating Voltage Range: 6 to 15 VDC (+)

Note: The QCP2300 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: 3.03E+12 quanta/cm^2-sec per volt 5.03E-06 μEinsteins/cm^2-sec per volt

Wet Calibration Factor: 3.19E+12 quanta/cm^2-sec per volt 5.29E-06 μEinsteins/cm^2-sec per volt

Sensor Test Data and Results²⁾

Sensor Supply Current (Dark): 3.5 mA

Supply Voltage: 6 Volts

Lamp Integrated PAR Irradiance: 9.27E+15 quanta/cm^2-sec 0.01540 μEinsteins/cm^2sec

Immersion Coefficient: 0.950

Table with 9 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 No Filter, 0.3, 0.5, 1, 2, 3, and RG780.

Dark Before: 0.004 Volts

Light - No Filter Hldr.: 3.483 Volts

Dark After - NFH: 0.004 Volts

Average Dark 0.0041 Volts

Notes:

1. Annual calibration is recommended.

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