Calibration Date: 01/26/23 **Job No.:** R50897

Model Number: QSP2300
Serial Number: 70777
Operator: TPC
Standard Lamp: V-043(7/24/19)
Operating Voltage Range: 6 to 15 VDC (+)

Note: The QSP2300 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:	3.91E+12	quanta/cm²·sec per volt	6.50E-06	µEinsteins/cm²·sec per volt
Wet Calibration Factor:	6.91E+12	quanta/cm²·sec per volt	1.15E-05	µEinsteins/cm²·sec per volt

Sensor Test Data and Results[2)]

Sensor Supply Current (Dark):	3.4	mA		
Supply Voltage:	6	Volts		
Lamp Integrated PAR Irradiance:	9.66E+15	quanta/cm^2·sec	0.01605	µEinsteins/cm²sec
Immersion Coefficient:	0.566			

Nominal Filter OD	Expected Transmission	Calibrated Trans.	Sensor Voltage	Expected Voltage	Voltage % Error	Measured Trans.	Transmission Error (%)	Test Irrad. (quanta/ cm^2·sec)
No Filter	100%	100.00%	3.393	3.393	0%	100.00%	0.0	9.66E+15
0.3	50%	36.10%	2.953	2.951	0%	36.28%	-0.5	3.51E+15
0.5	32%	27.60%	2.838	2.834	0%	27.81%	-0.8	2.69E+15
1	10%	9.27%	2.360	2.360	0%	9.23%	0.5	8.92E+14
2	1%	1.11%	1.446	1.438	1%	1.09%	2.0	1.05E+14
3	0.10%	0.05%	0.308	0.121	61%	0.04%	31.8	4.04E+12
RG780	0.00%	0.00%	0.238	0.013	94%	0.03%	-100.0	2.85E+12

Dark Before:	0.013	Volts
Light - No Filter Hldr.:	3.393	Volts
Dark After - NFH:	0.013	Volts
Average Dark	0.0134	Volts

Notes:
1. Annual calibration is recommended.
2) This section is for internal use and for more advanced analysis.