Calibration Date: 01/23/23 **Job No.:** R50898

Model Number: QSP2300
Serial Number: 70778
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:	4.12E+12	quanta/cm²·sec per volt	6.85E-06	µEinsteins/cm²·sec per volt
Wet Calibration Factor:	7.28E+12	quanta/cm²·sec per volt	1.21E-05	µEinsteins/cm²·sec per volt

Sensor Test Data and Results[2)]

Sensor Supply Current (Dark):	3.5	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%	3.370	3.370	0%	100.00%	0.0	9.66E+15
0.3	50%	36.10%	2.925	2.928	0%	35.82%	0.8	3.46E+15
0.5	32%	27.60%	2.809	2.811	0%	27.45%	0.6	2.65E+15
1	10%	9.27%	2.330	2.337	0%	9.08%	2.1	8.78E+14
2	1%	1.11%	1.403	1.415	-1%	1.04%	7.1	1.00E+14
3	0.10%	0.05%	0.289	0.098	66%	0.04%	33.4	3.90E+12
RG780	0.00%	0.00%	0.297	0.003	99%	0.04%	-100.0	4.05E+12

Dark Before:	0.003	Volts
Light - No Filter Hldr.:	3.370	Volts
Dark After - NFH:	0.003	Volts
Average Dark	0.0032	Volts

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