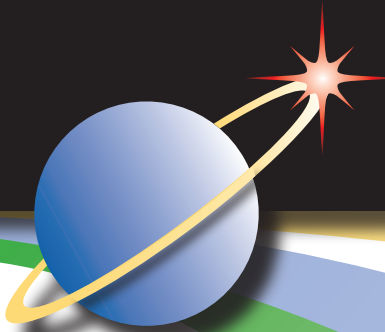


Quantum Sensors

New blue lens filters spectra for improved response



US Patent No. D519,860
Additional patents anticipated

Quantum Sensors



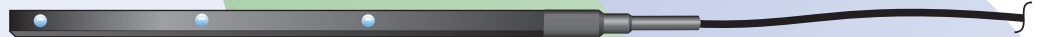
Calibrated for electric light,
QSO-E,

Calibrated for sunlight,
QSO-S,

Line Quantum Sensors

Specify calibration for sunlight or electric light (8% difference)

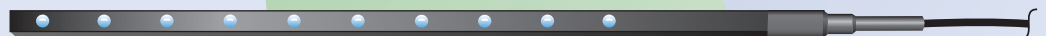
3 sensors, 50 cm length LQS50-3,



6 sensors, 50 cm length LQS50-6,



10 sensors, 70 cm length LQS70-10,



Specifications

Application	Measuring Photosynthetic Photon Flux	
Output	Responsivity	0.200 mV per $\mu\text{mol m}^{-2} \text{s}^{-1}$
	In full sunlight	400 mV ($2000 \mu\text{mol m}^{-2} \text{s}^{-1}$)
	Linear range	1000 mV ($5000 \mu\text{mol m}^{-2} \text{s}^{-1}$)
Sensitivity	Calibrated to exactly $5.00 \mu\text{mol m}^{-2} \text{s}^{-1}$ per mV	
Input power	None, self-powered	
Operating environment	-40 to 55 °C; 0 to 100% relative humidity. Designed for continuous outdoor use. Can be submerged underwater (with or without mounting screw).	
Materials	Anodized aluminum with acrylic lens	
Cable	3 meters of shielded, twisted-pair wire with Santoprene casing, ending in pigtail leads.	
Dimensions	2.4 cm diameter, 2.75 cm high	
Mass	70 g-LQS, 240 g-LQS50, 400 g-LQS70	
Warranty	1 year parts and labor	