

PAR (Photosynthetically Active Radiation)

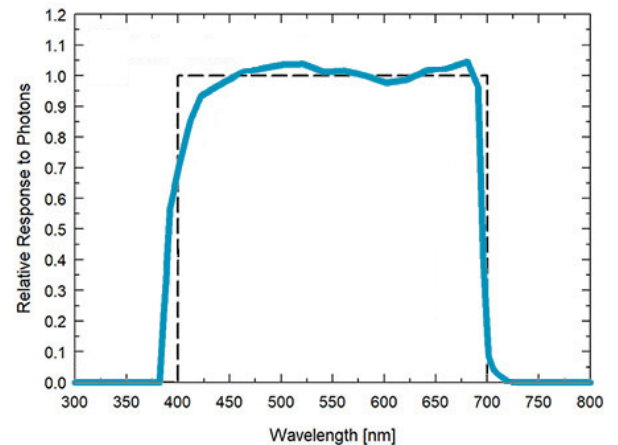


Quantum Sensor - Full Spectrum

We offer the **Apogee Full Spectrum Quantum Sensor** for accurate measurement of PAR (Photosynthetically Active Radiation). It provides research-grade measurements under all light sources, including LEDs. The sensor housing features a fully potted, dome-shaped head, making the sensor completely weatherproof for self-cleaning. The improved spectral response increases the accuracy of LED measurements. See the graph below. *Shown above with optional leveling unit sold separately.*



Dimensions	37 mm (L) x 24 mm (Dia)	Operating	-40 °C to 70 °C; 0 to 100% relative humidity; can be submerged in water up to depths of 30 m
Cable Length	5 m	Spectral Range	389 to 692 nm ± 5 nm (wavelengths where response is greater than 50%)
Weight	90 g		
Range	0 - 3000 $\mu\text{mol m}^{-2} \text{s}^{-1}$		
Calibration Uncertainty	± 5%		
Measurement Repeatability	<1%		
Long-Term Drift	< 2% per year		



TARGAS-1

EGM-5

The Apogee Full Spectrum Quantum Sensor is compatible with the TARGAS-1 Portable Photosynthesis System and the EGM-5 Portable CO₂ Gas Analyzer.

For further information, please contact us at:



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