PAR (Photosynthetically Active Radiation)

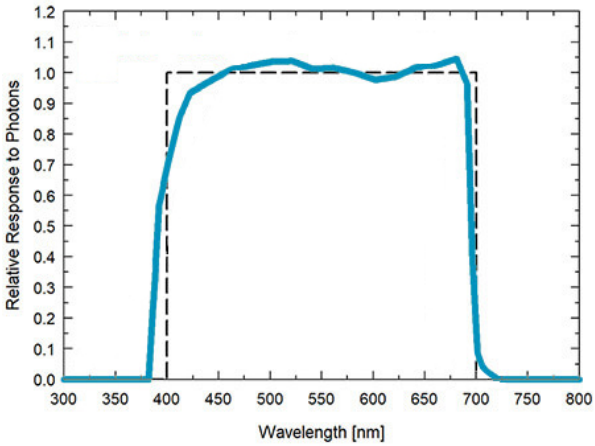
Quantum Sensor - Full Spectrum

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

TARGAS-1 EGM-5

*The **Apogee Full Spectrum Quantum Sensor** is compatible with the TARGAS-1 Portable Photosynthesis System and the EGM-5 Portable CO_2 Gas Analyzer.*



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