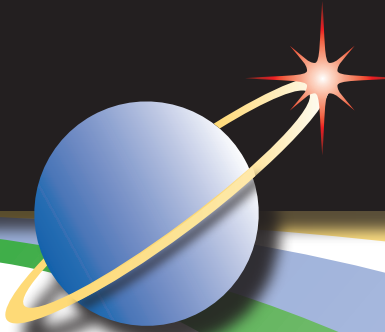


Pyranometer

PYR-P

PYR-S



US Patent No. D519,860
Additional patents anticipated

- Measures solar radiation in $W m^{-2}$ for solar, agricultural, meteorological, and hydrological applications
- Self-cleaning dome-shaped head prevents water accumulation
- Sensor head is potted solid to prevent internal condensation in humid environments

Specifications

		<u>Precision (PYR-P)</u>	<u>Standard (PYR-S)</u>
Cosine response	45° zenith angle	± 1 %	± 4 %
	75° zenith angle	± 4 %	± 10 %
Absolute accuracy		± 5 %	± 8 %
Uniformity		± 3 %	± 5 %
Repeatability		± 1 %	± 2 %
Output	Responsivity	0.200 mV per $W m^{-2}$	
	In full sunlight	220 mV ($1,100 W m^{-2}$)	
	Linear range	0 - 350 mV (0 - $1,750 W m^{-2}$)	
Sensitivity		Custom calibrated to exactly $5.00 W m^{-2}$ 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 under water (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 (with 3 m lead wire)	
Warranty		1 year parts and labor	