



Pyranometer Standard or Precision

Helping you make better measurements.

Model PYR-S or PYR-P



Our patented design for continuous measurement of shortwave radiation with a self-cleaning domed head. Potted solid for long-term stability and use in humid environments.

Precision model (-P) is denoted with yellow heat shrink and has a cosine response comparable to the best quality pyranometers on the market.

SPECIFICATIONS

	<u>STANDARD (-S)</u>	<u>PRECISION (-P)</u>
COSINE RESPONSE	± 10% at 75° Zenith Angle ± 4% at 45° Zenith Angle	± 4% at 75° Zenith Angle ± 1% at 45° Zenith Angle
ABSOLUTE ACCURACY	± 8%	± 5%
REPRODUCIBILITY	± 2%	± 1%
SENSITIVITY	Custom calibrated to exactly 5.00 W m ² per mV	
OUTPUT	0.200 mV per W m ⁻² Output in full sunlight 220 mV (1,100 W m ⁻²) Output linear to 320 mV (1,600 W m ⁻²)	
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.	
MATERIALS	Anodized aluminum with acrylic lens	
CABLE	3 meters of shielded, twisted-pair wire with Santoprene casing, ending in pigtail leads. Sensors can be built with additional cable for \$1.95/meter	
DIMENSIONS	2.4 cm diameter, 2.75 cm high	
MASS	70 g (with 3 m lead wire)	
WARRANTY	1 year parts and labor	