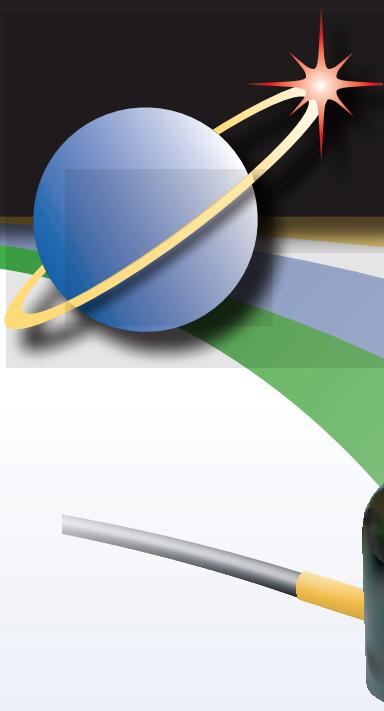


Precision Pyranometer

SP-110 \$169



For orders out of the USA add 10% to the list price

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

Cosine response	45° zenith angle	± 1%
	75° zenith angle	± 5%
Absolute accuracy		± 5%
Uniformity		± 3%
Repeatability		± 1%
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 m of shielded, twisted-pair wire with Santoprene casing, ending in pigtail leads. Additional cable \$1.95/m
Dimensions		2.4 cm diameter, 2.75 cm high
Mass		70 g (with 3 m lead wire)
Warranty		1 year against defects in materials and workmanship