

PYR Pyranometer

The PYR Pyranometer is a simple, low cost yet highly accurate pyranometer for global solar radiation monitoring.

The PYR Pyranometer measures solar radiation between 380 and 1120nm and has a levelling plate. The PYR sensor is supported by the [LSM Light Sensor Meter](#), Decagon [Em50 Data Logger](#), or [Procheck Hand Held Meter](#).



Measure Total Solar Radiation

The PYR total solar radiation sensor (pyranometer) measures the solar radiation flux density (in watts per meter squared) from a field of view of 180 degrees.

Weatherproof for Long-Term Use

The sensor is designed for continuous outdoor use, and is completely water proof and submersible.

Accuracy

Accurate measurement depends on cleanliness of the lens, and installation of the sensor at horizontal (180°). The sensor head has a domed diffusion disk to reduce the need for frequent cleaning. A levelling plate is included for accurate installation.



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Specifications

PYR Solar Radiation Sensor

Spectral Range	380 – 1120 nm
Accuracy	± 5%
Resolution	N/A
Field of View	Hemispherical, 180°
Measurement Range	0 to 1,750 W m ⁻² (0 – 350 mV)
Calibrations and Conversions	Sensors are calibrated for outside use. 5.0 W m ⁻² per mV
Operating Environment	-40°C to +60°C
Cable Length	5m
Cable Connector Types	3.5 mm “stereo” plug
Sensor Dimensions	2.4 cm x 2.75 cm (0.95 in x 1.1 in)
Data Logger Compatibility (not exclusive)	Decagon Em50 series, ProCheck, Campbell Scientific
Warranty	One year, parts and labour



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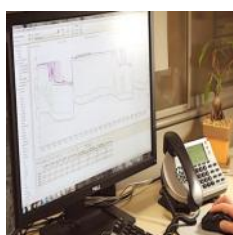
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Accessories



AWS Automatic Weather Station

Automatic Weather Station Package. Includes:



DataTrac 3 Software

DataTrac 3 Software for organising and analysing data



DWS Decagon Weather Station

DWS Decagon Weather Station



EM50 Data Logger



EM50G Data Logger



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Accessories



LSM Light Sensor Meter for Pyranometers

Light Sensor Meter - Configured for global solar radiation (pyranometer) sensors. 10 sensor capacity; IP65 rated enclosure; stand-alone logging capability to 4GB MicroSD Card.



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