



LIGHT

Light Meter for Photovoltaics

- Easy to use
- Pyranometer sensor and Display Meter
- Direct readout of solar radiation in watt m⁻²
- Calibrated to WMO standards
- Professional, accurate & inexpensive



Skye Instruments are world renowned for the design and manufacture of high quality solar radiation sensors. Each sensor is individually calibrated and traceable to the World Meteorological Office, and supplied with a Calibration Certificate.

The Light Meter for Photovoltaics includes a Pyranometer sensor and Display Meter. The Pyranometer measures total global solar radiation which is displayed on the Meter in units of watt per square metre (W m⁻²).

This measurement is ideal for use when installing and commissioning solar panels.

The sensor is fully cosine corrected, meaning it measures the incoming light from the whole hemisphere of the sky above it, regardless of the sun angle.

When taking measurements it is advisable to place the sensor at the same angle as the solar panel, so that the light falling on the sensor is equivalent to that falling on the panel.

The Pyranometer sensor is also compatible with the Skye

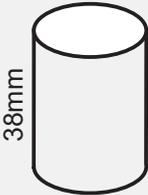
SpectroSense2+ logging meter, or Skye's and other manufacturer's dataloggers if measurements need to be automatically recorded.

The HOPL version of the pyranometer is compatible with PLCs and industrial controllers if alarms or automatic orientation of the solar panels are required.

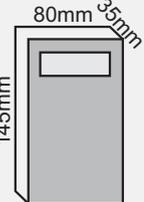
Further details are available on request.



SPECIFICATIONS Sensor

Dimensions	Weight	Construction	Working range*	Sensor	Spectral response	Temperature range	Humidity range
 34mm 38mm	130g With 3m cable	Material Dupont 'Delrin' fully sealed to IP 68	0-5000 W m ⁻²	Cosine corrected head	400-1100nm Calibrated against a WMO reference sensor 300-3000 nm	-30 to +75°C	0-100% RH

SPECIFICATIONS Meter

Dimensions	Weight	Display	Controls	Ranges	Power supply	Temperature	Accuracy
 80mm 35mm 145mm	280g. inc. battery	3.5 digit LCD	On/off (unit is automatically off when sensor is unplugged) Range- 3 positions	Switchable Ranges 0-20 0-200 0-2,000 W m ⁻²	1x9 volt PP3 battery, alkaline or NiCad. Approx 250hrs life with alkaline	-10 to +60°C	0.1% LSD

NOTES ON SPECIFICATIONS

*All Skye sensors will work at levels of irradiance well above that found in terrestrial sunlight conditions
Please ask for datasheet SKS 1110 for more detailed specifications on the Pyranometer sensor.

ORDERING INFORMATION

Light Meter for Photovoltaics

SKS 1100/1110

Pyranometer Sensor with Display Meter and carry case. Includes Calibration certificate and battery

Accessories

SKM 221

Levelling unit

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