



**METER**

**PYR**  
**SOLAR RADIATION SENSOR \* PYRANOMETER**



### Measure total solar radiation

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 waterproof and submersible.

### Accuracy

Accurate measurement depends on the 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 leveling plate is included for accurate installation.

### Specifications

<b>Spectral range</b>	380-1120 nm
<b>Accuracy</b>	±5%
<b>Field of view</b>	Hemispherical, 180°
<b>Measurement range</b>	0 to 1,750 W m <sup>-2</sup> (0-350 mV)
<b>Calibrations and conversions</b>	Sensors are calibrated for outside use 5.0 W m <sup>-2</sup> per mV
<b>Operating environment</b>	-40 to 60°C
<b>Sensor dimensions</b>	2.4 cm x 2.75 cm
<b>Cable length</b>	5 m
<b>Cable connector</b>	3.5 mm stereo plug
<b>Data logger compatibility</b>	METER Em50/50G, EM60 series, ZL6 series, ZSC, ProCheck



**BİLMAR BİLİMSEL ARAŞTIRMA VE MÜHENDİSLİK ANONİM ŞİRKETİ**

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