



Product Specifications

Product #: 6889

<http://www.nrgsystems.com/sitecore/content/Products/6889.aspx>

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## Hukseflux LP02 Pyranometer

The Hukseflux LP02 pyranometer is a solar radiation sensor that is compliant with ISO 9060...

### SPECIFICATIONS

#### Sensor type

#### Applications

#### Sensor range

#### Instrument compatibility

#### Signal type

#### Transfer function

#### Calibration

#### Output signal range

#### Drift

#### Mounting

#### Tools required

#### Operating temperature range

#### Operating humidity range

#### Connections

#### Cable length

#### Weight

#### Dimensions

#### Cable

#### Detector

#### Enclosure

#### Description

Total solar radiation sensor; ISO 9060 'Second Class' compliant

- Solar resource assessment
- Meteorological studies
- Environmental monitoring

0 W/m<sup>2</sup> to 2000 W/m<sup>2</sup>

- NRG Symphonie loggers w/LP02/CMP3 Thermopile SCM
- Logger measurement range 0 to 1500W/m<sup>2</sup>

#### Output signal

Microvolt proportional to total solar radiation

Included on calibration certificate; for use with NRG Symphonie see application note "Using Thermopile Pyranometers on Symphonie Loggers"

Calibration sheet included with each sensor defines output in microvolts per Watt/square meter; traceable to World Radiometric Reference (WRR)

Varies based on individual sensor

Less than 1% per year

#### Installation

Mounts to tower with NRG side mounting boom kit 6772 (Plane of Array capable)

- 5/32 inch (4 mm) Hex Key
- 5/16 inch (8 mm) wrench or nut driver
- #2 phillips screwdriver

#### Environmental

-40 °C to 80 °C (-40 °F to 176 °F)

0 to 100%

#### Physical

3 bare wire leads from cable

5 m (16.4 feet)

300 g (10.5 ounces)

85 mm X 60 mm (3.3 inches X 2.4 inches)

#### Materials

Shielded 2 conductor

Thermopile

Weatherproof anodized aluminum case and stainless steel hardware

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