

Vantage Pro2 Sensors

solar radiation sensor



SENSORS

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art.no. 6450

To measure solar radiation and solar energy (with WeatherLink only). Diffuser element and housing are designed for accurate cosine response. Silicon photo diode provides good match to solar spectrum. Two-piece housing minimizes radiation heating, allows convection cooling of the sensor, and prevents the trapping of water or dust.

scope of delivery:

- solar radiation sensor
- 0.6 m cable

For installation besides the rain gauge the mounting shelf (art.no. 6673) is required. To indicate data the console Vantage Pro2 is required (or Weather Envoy for data transmission without indication).

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|------------------------------------|--|--|
| solar radiation | meas. range: | 0 W/m ² to 1,800 W/m ² |
| | resolution: | 1 W/m ² |
| | accuracy: | ±5 % |
| solar energy | meas. range: | 1,999.9 Ly |
| | resolution: | 0.1 Ly |
| | accuracy: | ±5 % |
| | solar energy in connection with WeatherLink only | |
| general information | dimensions (L x W x D): | 51 mm x 70 mm x 57 mm |
| | weight: | approx. 0.226 kg |
| | housing material: | UV-resistant PVC plastic |
| | spectral response: | 400 nm to 1100 nm |
| | cosine response: | ±2 % (0° to ± 90°) fs |
| | temperature coefficient: | ±0.12 % per °C |
| | reference temperature: | +25°C |
| | correction (at reference deviation): | ±0.12 % per °C |
| | transducer : | silicone photodiode |
| | cable type: | 4-conductor, 26 AWG |
| | connectors: | modular RJ-11 |
| | attached cable length: | 0.6 m |
| permissible operating temperature: | -40°C to +65°C | |

Order directly online at: www.gsg-e-shop.com