

Sunmeter PRO WIND

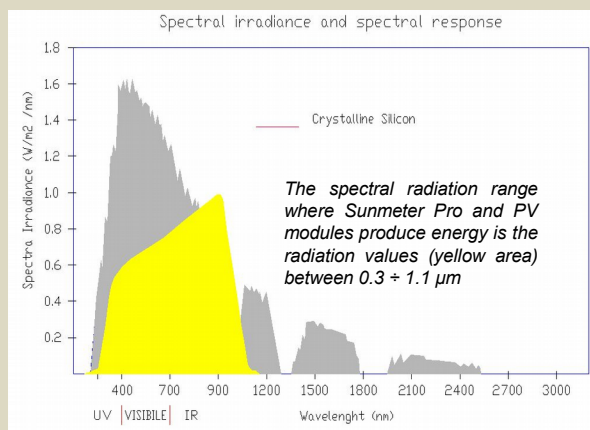
SUNMETER PRO WIND is a digital solarimeter based on the Sunmeter PRO.

Thanks to a monocrystalline cell and its internal technology, this sensor is able to provide irradiance, temperature and wind speed through external probes.

In fact, Sunmeter Wind offers the possibility of connecting a pulse anemometer directly to the sensor, and an external PT100 temperature probe. All measured quantities are conveyed on the RS485 Modbus channel. Thanks to this solution, with a single device, the wiring is reduced and an easily readable and interference-free reading of the values is ensured.

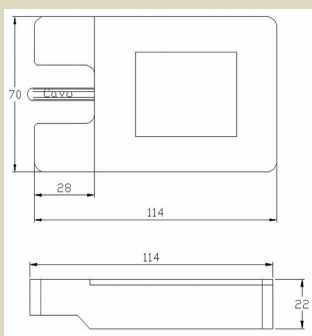
All Sunmeters are calibrated with our Primary Reference cell calibrated periodically by **ISFH Institute**, accredited by **Dakks**.

Spectrum of interest



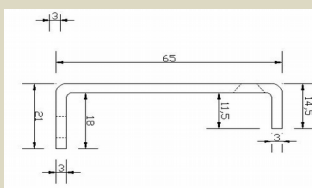
Calibration

Each SM PRO is calibrated for comparison with our Silicon Reference Cell referenced by ISFH Institute, accredited by Dakks



Physical features

Silicon sensor laminated in glass, anodized aluminum housing, high durability, practical mounting bracket with screw clamp, UV-resistant cable.



Most common uses

It's used in solar energy conversion to calculate P/R (Performance Ratio) of medium-large PV systems.

SUNMETER SENSOR			
Product	Sunmeter PRO WIND		
Standard Reference	IEC 60904-2 IEC 60904-4 IEC 60904-10 IEC 61724-1		
Output	Digital		ATTENTION: the anemometer visible in the picture is supplied separately, on request.
Input range	Irradiance		0 ÷ 1500 W / m ²
	Spectral range	0,3 μm ÷ 1,1 μm	
	Temperature	-30 ÷ +90 °C	
	Wind	0-120 Km/h (max 2 imp. round)	
Output	Digitale	RS485, standard Modbus RTU	
Output precision	Irradiance	<± 2 % ⁽¹⁾	
	Temperature	≤ ± 0.5 °C	
	Wind	Depending on the anemometer	
Sensor Type	Photovoltaic Pyranometer		
Supply	Ext. Current loop	9 ÷ 30 Vdc protected against reverse polarity, short circ.	
Encapsulant	Glass + E.V.A. + Poliester		
Cable	50cm UV resistant cable with Male connector		
Connectors		3-way connector for the anemometer input	
Dimensions	114 x70x22 mm s without fixing bracket		
IP code	IP 65		
(1) Note: recalibration advised after 18-24 months and then after 3 years.			