

Weather Station with a Pyranometer

Precise Measurements of Irradiance

The Weather Station with integrated CMP3 pyranometer provides information on air pressure, wind direction, wind strength, humidity and the local solar irradiation. The local measured values give information on how weather influences the PV plant's output. This data is available in the Solar-Log WEB Enerest™ portal.



Measurement	Measuring Range	Measuring Method
Pyranometer	1,400 W/m ² ; spectral range (50 %): 300 – 2800 nm	Kipp & Zonen CMP3
Ambient temperature	-50 °C – +60 °C	NTC
Humidity, air pressure	0 – 100%, 300 – 1,200 hPa	Capacitive, MEMS capacitive
Wind direction, wind speed	0 – 359.9 °, 0 – 75 m/s	Ultrasound, Ultrasound

Technical data

Power supply	24 Vdc +/- 10 %
Power consumption	20 VA at 24 V
Connection, protection class	RS485, IP66
Dimensions in mm	Diameter: 150, Height: 332, Weight: 1.5 kg
Warranty	2 years
Article number	On request
Compatible pyranometer types	Lufft (e. g. WS 501 UMB); Kipp&Zonen (e. g. SMP3)

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