

Plugsensor Conjunto Sônico



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The **Plugsensor Conjunto Sônico** is equipment that uses sensors to measure weather conditions such as wind speed and direction, temperature, humidity, luminosity, UV radiation, and precipitation. The equipment differs from conventional weather sensors because it has no moving parts, which contributes to lower maintenance requirements.



DS12501EN

Standard Sensors

Parameter	Minimum	Maximum	Resolution	Accuracy
Temperature	-40 °C	60 °C	0.1 °C	±0.2 °C
Humidity	1%	99%	1%	±2%
Precipitation	0 mm	9,999 mm	0.1 mm	<5mm/h, ±20%; 5mm/h to 50mm/h, ±10%; >50mm/h, ±20%
Wind Gust	0 km/h	144 km/h	1 km/h	±5%
Wind Speed	0 km/h	144 km/h	1.8 km/h	<10m/s, ±0.5m/s; ≥10m/s, ±5%
Wind Direction	0°	359°	1°	±15°
Light Intensity	0 LUX	200,000 LUX	0.1 LUX	±25%
UV Index*	1	15	1	

Calculated Sensors

Parameter	Minimum	Maximum	Resolution
Evapotranspiration**	0 mm		0.1 mm
Thermal Sensation	-30 °C	60 °C	0.1 °C
Dew Point	-20 °C	40 °C	0.1 °C
Delta T	0 °C		0.1 °C

*UV Index: indicates the range from 1 (low) to 15 (extreme)

**Calculated by the Penman-Monteith method

Sensor available only for integration with Plugstation from model WS22 and above.

