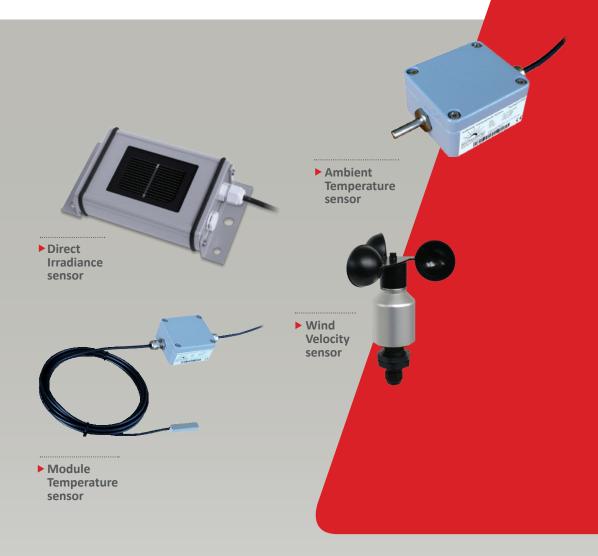
solar<mark>edge</mark>

Environmental Sensors

SE1000-SEN-IRR-S1 / SE1000-SEN-TAMB-S2 SE1000-SEN-TMOD-S2 / SE1000-SEN-WIND-S1



Environmental Monitoring of your SolarEdge System

- Connect environmental sensors to the SolarEdge Control and Communication Gateway for monitoring of your site
- Used to calculate site performance ratio
- Irradiance, temperature and wind measurments

Solaredge Environmental Sensors SE1000-SEN-IRR-S1/ SE1000-SEN-TAMB-S2/SE1000-SEN-TMOD-S2/

SE1000-SEN-WIND-S1

Direct Irradiance SE1000-SEN-IRR-S1	Ambient Temperature SE1000-SEN-TAMB-S2	Module Temperature SE1000-SEN-TMOD-S2	Wind Velocity SE1000-SEN-WIND-S1	Units
0-1.4V	0-10V	4-20mA	4-20mA	
0-1400 W/m ²	-40 to 90 °C / -40 to 194 °F	-40 to 90 °C / -40 to 194 °F	0-50 m/s	
±5 W/sq.m ±2.5% of measuring value	1% of full scale	1% of full scale	±0.5 m/s or ±3% of measuring value	
NS				
Needed				
154 x 86 x 40 / 6 x 3.5 x 1.5	64 x 58 x 34 / 2.5 x 2.3 x 1.3	64 x 58 x 34 / 2.5 x 2.3 x 1.3	165 x 105 x 105 / 6.5 x 4.2 x 4.2	mm / in
340 / 0.75	350 / 0.77	350 / 0.77	750 / 1.65	gm / lb
Powder-coated aluminum	Pulver Coated Aluminium	Pulver Coated Aluminium	Housing - Aluminum (AIMgSi1) Cup star - Synthetic, with fibre glass (PC-GF10) Bottom - Synthetic (POM H2320)	
-20 to 70 / -4 to 155 IP65	-40 to 80 / -40 to 176 IP67	-40 to 80 / -40 to 176 IP67	0 to 70 / 32 to 155 IP55	°C / °F
	SE1000-SEN-IRR-S1 0-1.4V 0-1400 W/m ² ±5 W/sq.m ±2.5% of measuring value NS 154 x 86 x 40 / 6 x 3.5 x 1.5 340 / 0.75 Powder-coated aluminum -20 to 70 / -4 to 155	Direct Irradiance SE1000-SEN-IRR-S1 Temperature SE1000-SEN-TAMB-S2 0-1.4V 0-10V 0-1400 W/m² -40 to 90 °C / -40 to 194 °F ±5 W/sq.m ±2.5% of measuring value 1% of full scale NS 1% of full scale 154 x 86 x 40 / 6 x 3.5 x 1.5 64 x 58 x 34 / 2.5 x 2.3 x 1.3 340 / 0.75 350 / 0.77 Powder-coated aluminum Pulver Coated Aluminium -20 to 70 / -4 to 155 -40 to 80 / -40 to 176	Direct Irradiance SE1000-SEN-IRR-S1 Temperature SE1000-SEN-TMOD-S2 0-1.4V 0-10V 4-20mA 0-1.4V 0-10V 4-20mA 0-1400 W/m² -40 to 90 °C / -40 to 194 °F -40 to 90 °C / -40 to 194 °F ±5 W/sq.m ±2.5% of measuring value 1% of full scale 1% of full scale Ns Needed 154 x 86 x 40 / 6 x 3.5 x 1.5 64 x 58 x 34 / 2.5 x 2.3 x 1.3 64 x 58 x 34 / 2.5 x 2.3 x 1.3 340 / 0.75 350 / 0.77 350 / 0.77 Powder-coated aluminum Pulver Coated Aluminium Pulver Coated Aluminium -20 to 70 / -4 to 155 -40 to 80 / -40 to 176 -40 to 80 / -40 to 176	Direct Irradiance SE1000-SEN-IRR-S1 Temperature SE1000-SEN-TAMB-S2 Temperature SE1000-SEN-TMOD-S2 Wind Velocity SE1000-SEN-WIND-S1 0-1.4V 0-10V 4-20mA 4-20mA 0-1400 W/m ² -40 to 90 °C / -40 to 194 °F -40 to 90 °C / -40 to 194 °F 0-50 m/s ±5 W/sq.m ±2.5% of measuring value 1% of full scale 1% of full scale ±0.5 m/s or ±3% of measuring value Needed Needed Housing - Aluminum (AIMgSi1) Housing - Aluminum (AIMgSi1) Cup star - Synthetic, with fibre glass (PC-GF10) Bottom - Synthetic -20 to 70 / -4 to 155 -40 to 80 / -40 to 176 -40 to 80 / -40 to 176 0 to 70 / 32 to 155

The warranty and service for the sensors is provided directly by Ingenieurbüro Mencke & Tegtmeyer GmbH; for more details, please see http://www.imt-solar.com/products.html

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