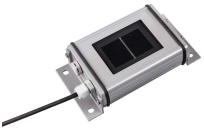

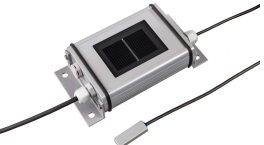






Digital Silicon Irradiance Sensors Si-RS485 Series with Optional External Sensors Tamb-Si, Tmodul-Si and Vwind-Si

All measured parameters are transferred via one Modbus cable (except solution 6).

Solution	Sensor Types	Measured Parameters	Accessories	Notes
1	Si-RS485TC-T-MB 	1. Solar irradiance 2. Cell temperature ¹	None	- Temperature of sensor cell
2	Si-RS485TC-2T-MB 	1. Solar irradiance 2. Cell temperature ¹ 3. Ambient temperature	None	- Si-sensor with firmly connected ambient cable temperature sensor (3 m connection cable) - Optional Shield Tamb-Si as a weather and radiation protection
3	Si-RS485TC-T-Tm-MB 	1. Solar irradiance 2. Cell temperature ¹ 3. PV module temperature	None	- Si-sensor with firmly connected module temperature sensor (3 m connection cable)
4	Si-RS485TC-2T-v-MB 	1. Solar irradiance 2. Cell temperature ¹ 3. Ambient temperature 4. Wind speed	Tamb-Si ² Vwind-Si ³	- Si-sensor with waterproof connectors for one temperature sensor and one wind speed sensor - To order separately - External sensors with preconfigured plugs - Optional Shield Tamb-Si as a weather and radiation protection

5	Si-RS485TC-2T-v-MB 	1. Solar irradiance 2. Cell temperature ¹ 3. PV module temperature 4. Wind speed	Tmodul-Si ² Vwind-Si ³	- Si-sensor with waterproof connectors for one temperature sensor and one wind speed sensor - External sensors with preconfigured plugs
6	Si-RS485TC-2T-v-MB  Ta-ext-RS485-MB ⁴	1. Solar irradiance 2. Cell temperature ¹ 3. PV module temperature 4. Wind speed 5. Ambient temperature	Tmodul-Si ² Vwind-Si ³	- Si-sensor with waterproof connectors for one temperature sensor and one wind speed sensor - External sensors with preconfigured plugs - Optional Shield Tamb-Si as a weather and radiation protection
7	Si-RS485TC-3T-MB 	1. Solar irradiance 2. Cell temperature ¹ 3. Temperature 1 (PV module or ambient temperature) 4. Temperature 2 (PV module or ambient temperature)	Tmodul-Si ² Tamb-Si ²	- Two waterproof connectors for two temperature sensors - To order separately - External sensors with preconfigured plugs - Optional Shield Tamb-Si as a weather and radiation protection

¹ The temperature of the sensor cell can be used as a rough estimation of the PV module temperature. A quantification of the difference between the measurement of the temperature of the sensor and the possible PV module temperature is not possible.

² The temperature sensors Tamb-Si and Tmodul-Si have a 3 m connection cable.

³ The wind speed sensor Vwind-Si has a 5 m connection cable.

⁴ The ambient temperature sensor Ta-ext-RS485-MB is a separate Modbus sensor with its own Modbus cable.

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