

















KIPP & ZONEN SMP10 | PYRANOMETER

OUTPUT: RS485

SENSOR WIRING TABLE

Sensor Model	Sensor Pin		Manufacturer Cable Colors		Orbit 360		
					Section	Terminal	Type
	4	Data +		Yellow	RS485	  	A1, A2, A3
	5	Data -		Grey	RS485	  	B1, B2, B3
	7	Vcc		White	RS485	 	*(+)
	8	GND		Black	RS485	 	(-)
	Shield		Shield		Power Input		

Note: *(+)= Bat+ with current limited (200mA). Only 1 sensor must be powered per terminal.
This sensor has to be preconfigured before it is configured in Atlas software.

REQUIRED DATA LOGGER VERSION

Minimum data logger required: **ORBIT 360 PREMIUM**.

Minimum **firmware** required: **2.41**.

RS485 DIGITAL OUTPUT:

Parameter	Sensor settings
Baudrate	9600
Data bits	8
Parity	None
Stop bits	1

HOW TO CONFIGURE IN ATLAS

Start Atlas and open the data logger you are working on. Now go to *Site settings* and scroll down to the *Channels* section and select the following type and model. The variables from the digital output signal can be chosen (or assigned) to either a frequency or an analog channel according to the list here below.

Example:

Serial bus 1 baud rate: 9600bps

Bus: Serial 1 >>> ID: A >>> Sensor model: Pyranometer SMPxx>>> Name: SMPxx_SERIAL2_A_SERIAL1_A

- Group: Analog channels
- Sensor Type: Serial device
- Sensor Model: **SMPxx_SERIAL2_A_SERIAL1_A**
 - Sensor Model: **Compensated GI**

Important! Please make sure you are working with the latest version of Atlas. To check for new updates click the *Check for updates* button in the left-hand menu located in the main dashboard.

Sensor response time: **25ms**.

The sum of the response times of all the sensors connected to the same bus must not exceed 850ms.

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For more information please contact web@kintech-engineering.com or visit our website www.kintech-engineering.com

