

S3-Logger Compatibility List

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List of devices

Weather Stations:

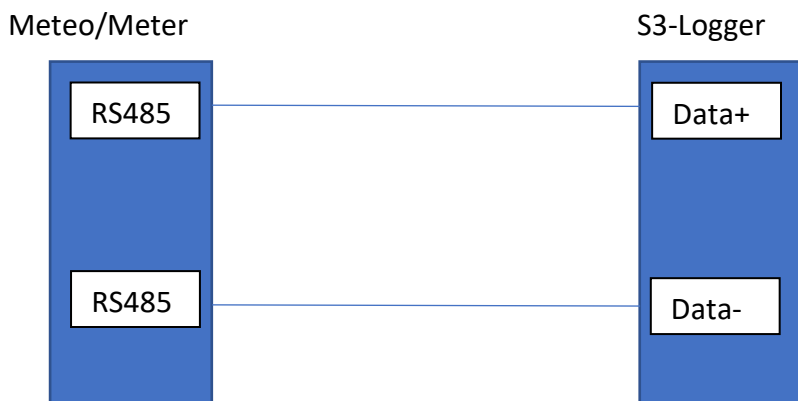
SN	Model
1	YangSung-P04
2	SevenSolar
3	7S
4	PlanetPi
5	Planet200
6	Seven 3S-2IS/4IS/CWS
7	3S-TP-MB
8	SensortMP
9	DelphiCIRel_HOODMNT

Meters:

SN	Model
1	MFM440 Meter
2	Acrel ADL3000-E-B Meter
3	Janitza UMG Series Meter
4	RX380 Meter
5	Acrel_JL Meter
6	MC774 Meter
7	ION9000 Meter

How to wire and set up the new site?

1. Is the RS485 cable and S3-Logger of the meteorological instrument/electricity meter connected correctly



1. Check the serial communication rate (baud rate) of the meteorological instrument/electricity meter.
 - a. 9600bps (The default baud rate is 9600bps)
2. Check the communication address of the meteorological instrument.

The default communication address for S3-Logger is 1. Some meteorological instruments/electricity meters do not have a default address of 1, such as PV75 which has a default communication address of 60. Corresponding modifications can be made through the S3-Logger web configuration page (refer to the user manual for instructions)
3. If you find that the cloud platform data and on-site data are incorrect for the first matching device, please contact us.
4. Acrel ADL3000-E-B Meter, Acrel ADL3000-E-B Meter and have been matched with anti-backflow function.

What information needs to be provided for the new site

The above meteorological instruments/electricity meters can be directly added through the WEB, and some are newly matched meteorological instruments. If a new meteorological instrument/electricity meter needs to be uploaded to Soliscloud, the corresponding MODBUS address MAP and corresponding coefficients need to be provided. As shown in the figure below, we will adapt it and update the plugin to support it.

Register Map:

Start	End	#	Name	Type	Units	Scale Factor	Contents	Description
0001	0002	2	C_SunSpec_ID	uint32	N/A	N/A	"SunS"	Well-known value. Uniquely identifies this as a SunSpec Modbus Map
0003	0003	1	C_SunSpec_DID	uint16	N/A	N/A	0x0001	Well-known value. Uniquely identifies this as a SunSpec Common Model block
0004	0004	1	C_SunSpec_Length	uint16	registers	N/A	65	Length of common model block
0005	0020	16	C-Manufacturer	String(32)	N/A	N/A	"Rainwise_Inc"	Well-known value
0021	0036	16	C-Model	String(32)	N/A	N/A	"PVmet-100"	Manuf specific value
0037	0044	8	C-Options	String(16)	N/A	N/A	"0"	Manuf specific value
0045	0052	8	C-Version	String(16)	N/A	N/A	"1"	Manuf specific value
0053	0068	16	C_Serial Number	String(32)	N/A	N/A	"Serial"	Manuf specific value
0069	0069	1	C_DeviceAddress	uint16	N/A	N/A	60	Modbus Id
0070	0070	1	C_SunSpec_DID	int16	N/A	N/A	307	Start of next Device
0071	0071	1	C_SunSpec_Length	int16	N/A	N/A	11	Device Model Block Size
0072	0072	1	E_BaseMet_Air Temperature	int16	°C	-1	Measured	Ambient Air Temperature
0073	0073	1	E_BaseMet_Relative Humidity	int16	%	0	N/A	Relative Humidity
0074	0074	1	E_BaseMet_Barometric Pressure	int16	Hpa	0	N/A	Barometric Pressure
0075	0075	1	E_BaseMet_Wind_Speed	int16	m/s	0	N/A	Wind Speed

If there are multiple radiation and temperature points, please clearly inform us which point to collect.