

3S-IS Modbus Input Registers Map

A common input register map has been created for all SEVEN Modbus devices.

SEVEN Modbus devices can be configured to operate in different communication parameters. The table that follows describes each supported bus protocol.

Baud Rate	4800, 9600, 19200, 38400
Parity	None, Even, Odd
Stop Bit	1, 2 (only at None parity)
Factory Default	9600 Baud, 8N1, address: 1

The following Modbus data can be read individually or in blocks.

3S-IS MODBUS REGISTER MAP					
ID-Dec	ID-Hex	Parameter	Data Type	Range	Resolution
3000 <u>0</u>	0x00	Irradiance	uint16_t	0 - 1600 W/m ²	0.1 W/m ²
3000 <u>6</u>	0x06	Temperature Compensated Irradiance	int16_t	0 - 1600 W/m ²	0.1 W/m ²
3001 <u>5</u>	0x0F	Internal Temperature	int16_t	(-40) - (+85) °C	0.1°C
3002 <u>1</u>	0x15	Module Temperature	int16_t	(-40) - (+85) °C	0.1°C
3002 <u>9</u>	0x1D	Ambient Temperature	int16_t	(-40) - (+85) °C	0.1°C
3003 <u>2</u>	0x20	Ambient Temperature (SHT)	int16_t	(-40) - (+85) °C	0.1°C
3003 <u>3</u>	0x21	Relative Humidity (SHT)	uint16_t	0 - 100 %	0.1 %
3005 <u>2</u>	0x34	Wind Direction	uint16_t	0 - 359°	1°
3005 <u>3</u>	0x35	Wind Speed	uint16_t	0 - 40 m/s	0.1 m/s