11bits data (1 start bit, 8 data bit, 1 none check bit, 1 stop bit)
Communication commands will choose CRC check (2bytes)
Meter ID will use 01 as default, baud rate 9600bps, but 1200bps、 2400bps、 4800bps(optional)

Meter ID (default)	Function Code	Register Address	Contents	Register No.	Read/Write	length	data mode
		0	Serial number		Read	4	
		2	Meter ID		Read	2	
		3	Baud Rate		Read	2	
		4	Software Version		Read	4	float
		6	Hardware Version		Read	4	float
		8	CT Rate		Read	2	
		9	S0 output rate		Read	4	float
		11	A3		Read	2	
		13	Cycle time		Read	2	
		14	L1 Voltage		Read	4	float
		16	L2 Voltage		Read	4	float
		18	L3 Voltage		Read	4	float
		20	Grid Frequency		Read	4	float
		22	L1 Current		Read	4	float
		24	L2 Current		Read	4	float
		26	L3 Current		Read	4	float
		28	Total Active Power		Read	4	float
		30	L1 Active Power		Read	4	float
		32	L2 Active Power		Read	4	float
		34	L3 Active Power		Read	4	float
		36	Total reactive power		Read	4	float
		38	L1 reactive power		Read	4	float
		40	L2 reactive power		Read	4	float
		42	L3 reactive power		Read	4	float
		44	Total Apparent Power		Read	4	float
		46	L1 Apparent Power		Read	4	float
		48	L2 Apparent Power		Read	4	float
		50	L3 Apparent Power		Read	4	float
		52	Total Power Factor		Read	4	float
		54	Power Factor		Read	4	float
		56	Power Factor		Read	4	float
		58	Power Factor		Read	4	float
		65	CRC		Read	2	
		66	Combined Code		Read	2	

Correct Respond: 01(default) 03 02 data H 8bits data L 8bits CRC CRC
Incorrect Respond: 01(default) 83 wrong information code (address error and CRC error no return)

		256	Total Active Energy		Read	4	float
		258	L1 Total Active Energy		Read	4	float
		260	L2 Total Active Energy		Read	4	float
		262	L3 Total Active Energy		Read	4	float
		264	Forward Active Energy		Read	4	float
		266	L1 Forward Active Energy		Read	4	float
		268	L2 Forward Active Energy		Read	4	float
		270	L3 Forward Active Energy		Read	4	float
		272	Reverse Active Energy		Read	4	float
		274	L1 Reverse Active Energy		Read	4	float
		276	L2 Reverse Active Energy		Read	4	float
		278	L3 Reverse Active Energy		Read	4	float
		280	Total Reactive Energy		Read	4	float
		282	L1 Reactive Energy		Read	4	float
		284	L2 Reactive Energy		Read	4	float
		286	L3 Reactive Energy		Read	4	float
		288	Forward Reactive Energy		Read	4	float
		290	L1 Forward Reactive Energy		Read	4	float
		292	L2 Forward Reactive Energy		Read	4	float

294	L3 Forward Reactive Energy	Read	4	float
296	Reverse Reactive Energy	Read	4	float
298	L1 Reverse Reactive Energy	Read	4	float
300	L2 Reverse Reactive Energy	Read	4	float
302	L3 Reverse Reactive Energy	Read	4	float

Correct Respond: 01(default) 03 04 data H 8bits data L 8bits CRC CRC
Incorrect Respond: 01(default) 83 Wrong information code(address error and CRC error no return)

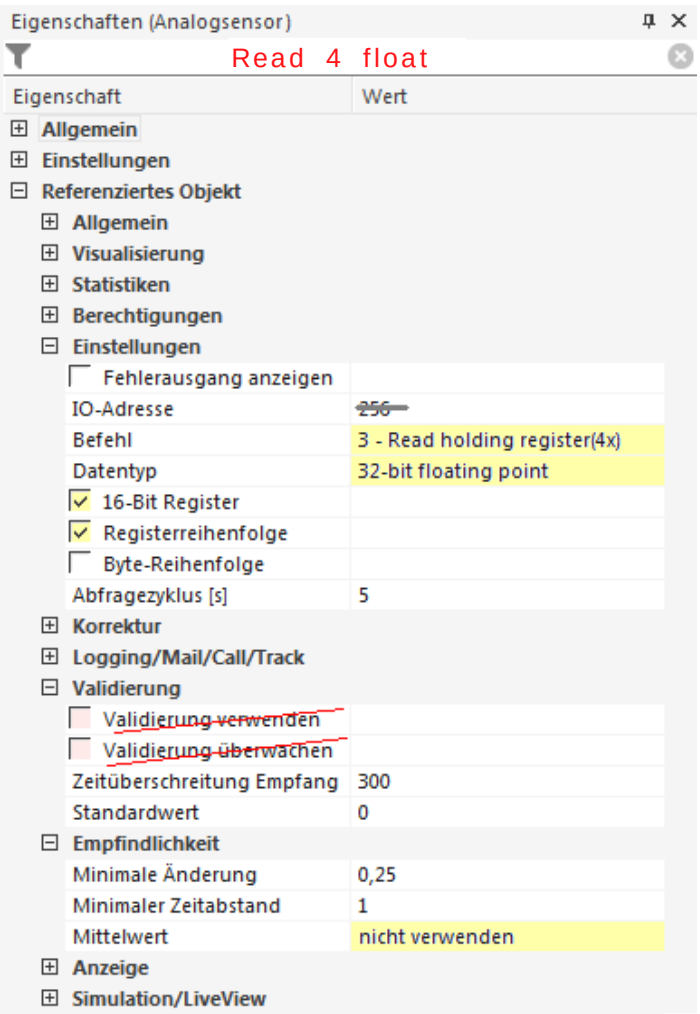
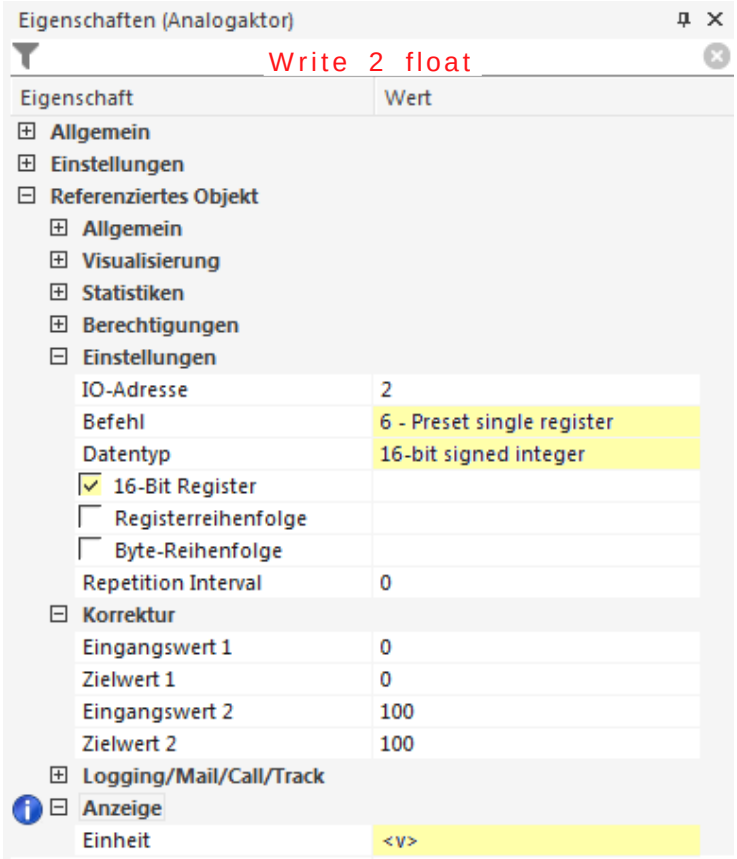
0002	Meter ID	Write	2	
0003	Baud Rate	Write	2	
	SO OUTPUT	Write	4	float
	Combined Code	Write	2	
	Cycle time	Write	2	

Correct Respond: 01(default) 06 register address H 8bits register address L 8bits data H 8bits data L 8bits C
Incorrect Respond: 01(default) 86 Wrong information code (address error and CRC error no return)

Wrong Function Code

01	The received function code is invalid
02	Received register address is not exsiting
03	The received data is not comply with the requirement, generally writing data exceeds range
04	Equipment error, this program is not used

Analogsensor



Analogaktor