

# MODBUSConfigurator

RESI's MODBUS Configurator V1.10.3.1 - [Unnamed]

**Local COM port settings**

Modbus unit: 255 Device: COM8 Stopbits: 1 stopbit IP-Address:   
 Baudrate: 57600 Parity: NONE Port:

**Device specific**

Download config Test connection Tgst

FRESHMBUS64-SIO MBUS to MODBUS/RTU converter for 64 meters (1200 registers)

Software version: 5.0.0 State: no error

Search M-Bus slaves Search M-Bus slaves via serial Save CSV file Erase configuration Application Reset Activate LEVEL converter Deactivate LEVEL converter

**MODBUS**

Address: 255 Parity: NONE Start 7 Baudrate: 2400  
 Baudrate: 57600 Stopbits: 1 stopbit End 251 Query timeout: 65535 Poll timeout: 65535

MB Register	MBUS datatype	MB datatype	Content	MBUS index	MB value HEX	Current MB value	Meter name
4x0001	INT32[4]	FLOAT32	Volume 10 <sup>-3</sup> m <sup>3</sup>	0	MSW 0000.0000 LSW	0.0000.0.00000000000000E+0	Meter 20716229_2C2D_1D_16 IS
4x0003	INT32[4]	FLOAT32	Volume 10 <sup>-3</sup> m <sup>3</sup> -Accumulation of ebs value only if negative contrib	1	MSW 0000.0000 LSW	0.0000.0.00000000000000E+0	Meter 20716229_2C2D_1D_16 IS
4x0005	INT32[4]	UINT32	On time hours	2	MSW 0000.110A LSW	4362.0x000110A	Meter 20716229_2C2D_1D_16 IS
4x0007	INT16[2]	FLOAT32	Volume flow 10 <sup>-3</sup> m <sup>3</sup> /h	3	MSW 0000.0000 LSW	0.0000.0.00000000000000E+0	Meter 20716229_2C2D_1D_16 IS
4x0009	INT8[1]	FLOAT32	External temperature 10 <sup>0</sup> °C	4	MSW 41E0.0000 LSW	29.0000.2.00000000000000E+1	Meter 20716229_2C2D_1D_16 IS
4x0011	INT16[2]	FLOAT32	Volume flow 10 <sup>-3</sup> m <sup>3</sup> /h	5	MSW 0000.0000 LSW	0.0000.0.00000000000000E+0	Meter 20716229_2C2D_1D_16 IS
4x0013	INT16[2]	FLOAT32	Volume flow 10 <sup>-3</sup> m <sup>3</sup> /h	6	MSW 0000.0000 LSW	0.0000.0.00000000000000E+0	Meter 20716229_2C2D_1D_16 IS
4x0015	INT8[1]	FLOAT32	External temperature 10 <sup>0</sup> °C	7	MSW 41A8.0000 LSW	21.0000.2.10000000000000E+1	Meter 20716229_2C2D_1D_16 IS
4x0017	INT8[1]	FLOAT32	External temperature 10 <sup>0</sup> °C	8	MSW 41F0.0000 LSW	30.0000.3.00000000000000E+1	Meter 20716229_2C2D_1D_16 IS
4x0019	INT8[1]	FLOAT32	External temperature 10 <sup>0</sup> °C-Average media temperature	9	MSW 41C0.0000 LSW	24.0000.2.40000000000000E+1	Meter 20716229_2C2D_1D_16 IS
4x0021	INT32[4]	DATE_TIME_T	Time&Date data type F	10	MSW 2488.3034 LSW	16:52.D.M.Y.08.04.20 ST 0 IV.0.0x24883034	Meter 20716229_2C2D_1D_16 IS
4x0023	INT32[4]	FLOAT32	Volume 10 <sup>-3</sup> m <sup>3</sup> /U.0.T.0.S.1	11	MSW 0000.0000 LSW	0.0000.0.00000000000000E+0	Meter 20716229_2C2D_1D_16 IS
4x0025	INT16[2]	FLOAT32	Volume flow 10 <sup>-3</sup> m <sup>3</sup> /h/U.0.T.0.S.1	12	MSW 0000.0000 LSW	0.0000.0.00000000000000E+0	Meter 20716229_2C2D_1D_16 IS
4x0027	INT16[2]	FLOAT32	Volume flow 10 <sup>-3</sup> m <sup>3</sup> /h/U.0.T.0.S.1	13	MSW 0000.0000 LSW	0.0000.0.00000000000000E+0	Meter 20716229_2C2D_1D_16 IS
4x0029	INT8[1]	FLOAT32	External temperature 10 <sup>0</sup> °C/U.0.T.0.S.1	14	MSW 4170.0000 LSW	15.0000.1.50000000000000E+1	Meter 20716229_2C2D_1D_16 IS
4x0031	INT8[1]	FLOAT32	External temperature 10 <sup>0</sup> °C/U.0.T.0.S.1	15	MSW 41C8.0000 LSW	25.0000.2.50000000000000E+1	Meter 20716229_2C2D_1D_16 IS
4x0033	INT8[1]	FLOAT32	External temperature 10 <sup>0</sup> °C-Average media temperature/U.0.T.0.S.1	16	MSW 41B0.0000 LSW	1002001.22030.Dx1.7546486AE	Meter 20716229_2C2D_1D_16 IS
4x0035	INT16[2]	DATE_TY_P	Date data type G/U.0.T.0.S.1	17	WORD 239F	D.M.Y.31.03.20.0x239F	Meter 20716229_2C2D_1D_16 IS
4x0036	INT16[2]	UINT16	Info code	18	WORD 0001	1.0x0001	Meter 20716229_2C2D_1D_16 IS
4x0037	INT16[2]	UINT16	Config number	19	MSW 00000017546486AE LSW	1002001.22030.Dx1.7546486AE	Meter 20716229_2C2D_1D_16 IS
4x0041	INT16[2]	UINT16	Meter type	20	WORD 2203	8707.0x2203	Meter 20716229_2C2D_1D_16 IS
4x0042	INT16[2]	UINT16	Firmware version	21	WORD 0601	1537.0x0601	Meter 20716229_2C2D_1D_16 IS
4x09001	N/A	UINT16	Converter state for meter	STATE	WORD 0003	3.0x0003 -> Values are valid!"	Meter 20716229_2C2D_1D_16 IS
4x09002	N/A	UINT32R	Identification number of meter	ID	LSW 6229.MSW 2071	544301609.0x20716229	Meter 20716229_2C2D_1D_16 IS
4x10001	N/A	UINT32	Identification number of meter	ID	MSW 2071.6229 LSW	544301609.0x20716229	Meter 20716229_2C2D_1D_16 IS
4x10003	N/A	UINT32->ASCII	Manufacturer of meter	MANUFACTURER	MSW 004D.414B LSW	KAM	Meter 20716229_2C2D_1D_16 IS
4x10005	N/A	UINT16	Version of meter	VERSION	WORD 001D	29.0x001D	Meter 20716229_2C2D_1D_16 IS
4x10006	N/A	UINT16	Medium of meter	MEDIUM	WORD 0016	22.0x0016 -> Cold Water	Meter 20716229_2C2D_1D_16 IS
4x10007	N/A	UINT16	Access of meter	ACCESS	WORD 00AD	173.0x00AD	Meter 20716229_2C2D_1D_16 IS
4x10008	N/A	UINT16	Status of meter	STATUS	WORD 0000	0.0x0000	Meter 20716229_2C2D_1D_16 IS
4x10009	N/A	UINT16	Future value of meter	FUTURE	WORD 0000	0.0x0000	Meter 20716229_2C2D_1D_16 IS
4x10010	N/A	UINT16	Communication state with meter	COMM STATE	WORD 0003	3.0x0003 -> Values are valid!"	Meter 20716229_2C2D_1D_16 IS

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**Common M-Bus slave settings**

Change primary address: Read meter data

Slave name: Meter 14762517\_4DEE\_04\_0D

Addressing mode: Primary meter address: 253 Current meter status: No error  
 Primary address: 14762517 Secondary meter address (hex): 4DEE 04 0D  
 Meter status: 0.0x00  
 Manufacturer name: SON

Poll pre delay 1: 65535 Poll repeats 1: 65535  
 Poll pre delay 2: 65535 Poll repeats 2: 65535  
 Poll post delay 1: 65535  
 Poll post delay 2: 65535

**Datapoints**

Add datapoint Delete datapoint Add from database... Add to database...

Index	MBUS dataty...	MB datatype	Content	MBUS data	MBUS size	MBUS exponent	MB exponent
0	INT32	UINT32	Energy 10 <sup>-3</sup> Wh	1-2	4	3	0
1	INT32	FLOAT32	Volume 10 <sup>-2</sup> m <sup>3</sup>	1-8	4	-2	0
2	INT24	UINT32	On time hours	1-14	3	0	0
3	BCD8	SINT32	Fabrication number	1-19	4	0	0
4	INT32	DATE_TIME_T	Time&Date data type F	1-25	4	0	0
5	FLOAT32	FLOAT32	Flow temperature 10 <sup>0</sup> °C	1-31	4	0	0
6	FLOAT32	FLOAT32	Return temperature 10 <sup>0</sup> °C	1-37	4	0	0
7	FLOAT32	FLOAT32	Volume flow 10 <sup>-3</sup> m <sup>3</sup> /h	1-43	4	0	0
8	FLOAT32	FLOAT32	Power 10 <sup>0</sup> W	1-49	4	0	0
9	FLOAT32	FLOAT32	Energy remainder	1-56	4	0	0
10	FLOAT32	FLOAT32	Volume remainder	1-63	4	0	0
11	INT16	UINT16	Error flags (binary)	1-70	2	0	0
12	INT8	UINT8	Actualy duration-seconds	1-74	1	0	0
13	INT8	UINT8	Averaging duration-seconds	1-77	1	0	0
14	INT8	UINT8	Write protection	1-81	1	0	0
15	INT8	UINT8	Software version	1-85	1	0	0
16	INT16	UINT16	Hardware version	1-89	2	0	0
17	VAR LENGTH	ASCII	Model/version	1-95	15	0	0
18	INT32	UINT32	Energy 10 <sup>-3</sup> Wh[U.0.T.1.S.0]	1-113	4	3	0
19	FLOAT32	FLOAT32	Energy remainder[U.0.T.1.S.0]	1-121	4	0	0
20	BCD8	SINT32	Enhanced identification[U.1.T.0.S.0]	1-128	4	0	0
21	INT32	FLOAT32	Volume 10 <sup>-2</sup> m <sup>3</sup> [U.1.T.0.S.0]	1-135	4	-2	0
22	INT8	FLOAT32	Volume 10 <sup>-3</sup> m <sup>3</sup> -increment per input pulse on input channel #0[...	1-143	1	-3	0
23	INT32	UINT32	Energy 10 <sup>-3</sup> Wh[U.0.T.0.S.1]	2-3	4	3	0
24	INT32	UINT32	Energy 10 <sup>-3</sup> Wh[U.0.T.0.S.2]	2-10	4	3	0
25	INT32	UINT32	Energy 10 <sup>-3</sup> Wh[U.0.T.0.S.3]	2-17	4	3	0
26	INT32	UINT32	Energy 10 <sup>-3</sup> Wh[U.0.T.0.S.4]	2-24	4	3	0
27	INT32	UINT32	Energy 10 <sup>-3</sup> Wh[U.0.T.0.S.5]	2-31	4	3	0
28	INT32	UINT32	Energy 10 <sup>-3</sup> Wh[U.0.T.0.S.6]	2-38	4	3	0
29	INT32	UINT32	Energy 10 <sup>-3</sup> Wh[U.0.T.0.S.7]	2-45	4	3	0
30	INT32	UINT32	Energy 10 <sup>-3</sup> Wh[U.0.T.0.S.8]	2-52	4	3	0
31	INT32	UINT32	Energy 10 <sup>-3</sup> Wh[U.0.T.0.S.9]	2-59	4	3	0
32	INT32	UINT32	Energy 10 <sup>-3</sup> Wh[U.0.T.0.S.10]	2-66	4	3	0
33	INT32	UINT32	Energy 10 <sup>-3</sup> Wh[U.0.T.0.S.11]	2-73	4	3	0
34	INT32	UINT32	Energy 10 <sup>-3</sup> Wh[U.0.T.0.S.12]	2-80	4	3	0
35	INT32	UINT32	Energy 10 <sup>-3</sup> Wh[U.0.T.0.S.13]	2-87	4	3	0
36	INT32	UINT32	Energy 10 <sup>-3</sup> Wh[U.0.T.0.S.14]	2-94	4	3	0
37	INT32	UINT32	Energy 10 <sup>-3</sup> Wh[U.0.T.0.S.15]	2-101	4	3	0
38	INT32	FLOAT32	Volume 10 <sup>-2</sup> m <sup>3</sup> [U.0.T.0.S.1]	3-3	4	-2	0

**Einfacher Test**  
Auslesung & Anzeige von Zählerdaten

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