RS485 Modbus Logger Software Manual

For use with Thermokon RS485 Modbus devices





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Time since start	Date Time	Source	Save Address	Function Code	Data	CRC	Description				Auto Scroll
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»APPLICATION

Software for data collection on the RS-485 RTU Modbus and storage in CSV files for error analysis.

» COMMISSIONING

Connect the Thermokon USB transceiver RS485 to a free USB interface of your computer. The device is automatically installed with a driver from the Windows-internal driver library. You will be informed about the completion of the driver installation in the system tray.

If the installation does not start automatically or no driver is found, the driver installation must be carried out manually. You can download the current driver here: http://www.ftdichip.com/Drivers/VCP.htm

When starting, the Modbus Logger software searches for the Thermokon USB transceiver RS485 with a valid licence.

»SOFTWARE OVERVIEW



Interface	COM-Port:	Select the COM-port of the USB-Interface.*1	Interface			
	Refresh	Refresh the COM-port connection	COM Po	t COM1	✓ Refresh	
	Baud-rate /		Baudrate 9600 ∨ Parity even ∨		~	
	Parity /	with RS485 Modbus USB-interface			\sim	
	Stoppits		Stopbits	1	✓ Connect	
	Connect	Establish a RS485 Modbus connection and start a short-recording.*2				

*¹ If no USB transceiver or device with a valid license is found in the network, the software will not start. Check driver installation, download and install drivers for your system if necessary. (http://www.ftdichip.com/Drivers/VCP.htm)

*² After the maximum number of telegrams (50,000) during a short recording, the recording is automatically saved in a CSV file. (%USER%\AppData\Roaming\Thermokon\ModbusLogger\TrafficBackups) and the content of the table is deleted. For longer recordings, use the "Start Log" function!

Filter	The filtering is a It is not possib (selected = reco	already done during the recording process. Ie to show data that has not been recorded. orded)		Filter Slave Address		Function Codes		
Slave Addres		Filtering by rs485 modbus slave addresses.		∑ 1 ∑ 2	Î	♥ 0x01 (Read Coils) ♥ 0x02 (Read Discrete Inputs)	Î	
	Function Codes	iltering by function-codes		☑ 3 ☑ 4 ☑ 5	¥	0x03 (Read Holding Registers) 0x04 (Read Input Registers) 0x05 (Write Single Coll)	~	

Counter	Telegram	Total number of telegrams recorded	Counter
	Telegram Errors Number of faulty telegrams		Telegrams: 0 Telegram Errors: 0
	Bytes	Total number of recorded bytes	Bytes: 0
	Bytes Errors Number of faulty bytes		Byte Errors: 0 Bytes to read: 0
	Bytes to read	Number of bytes in the receive buffer that are still being processed.	bytee to redu.

Autoscroll	By activating the AutoScroll function, the software automatically scrolls to the last table entry.	Auto Scroll 🗹

Telegramm Data									
		Time since start	Date Time	Source	Slave Address	Function Code	Data	CRC	Description

Clear Traffic	Deletes the table of recordet data. Attention. Data not previously saved as a CSV file will be irreversibly deleted!	Clear Traffic
Start Log	Opens a prompt for saving a CSV file. Select the file path and enter the file name. The recorded data is updated hourly in a CSV file. This file contains all data. (Optionally, after starting the recording, hourly storage in individual files (filename+number) can be selected).	Start Log
Save Traffic	Saves the table of recorded data in a CSV file. (Select the file path and enter the file name.)	Thermokon Modbus Logger File Help Save to CSV Exit COM FOR COMP