RS485 Modbus Logger Software Manual

For use with Thermokon RS485 Modbus devices
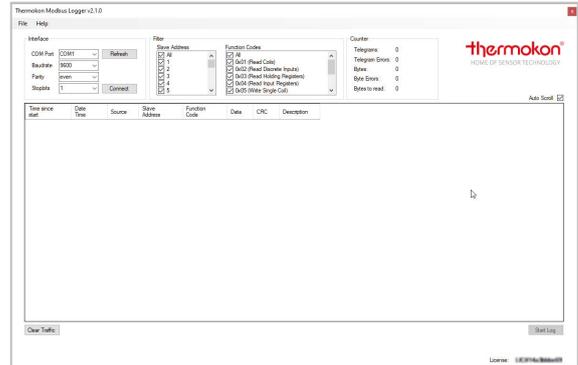
» APPLICATION

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
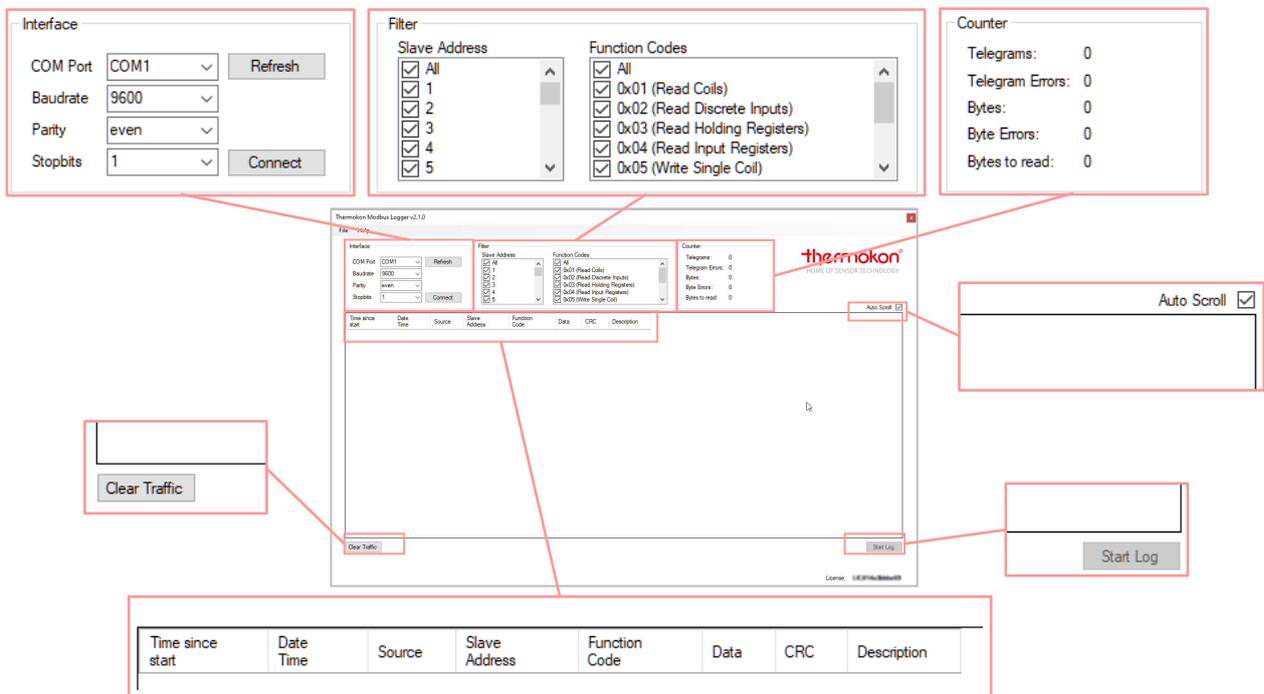
Interface	COM-Port:	Select the COM-port of the USB-Interface.*1	
	Refresh	Refresh the COM-port connection	
	Baud-rate / Parity / Stopbits	with RS485 Modbus USB-interface	
	Connect	Establish a RS485 Modbus connection and start a short-recording.*2	

*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 already done during the recording process. It is **not possible to show data** that has not been recorded. (selected = recorded)	
	Slave Address	Filtering by rs485 modbus slave addresses.
	Function Codes	Filtering by function-codes

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

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

Telegramm Data		

Clear Traffic	Deletes the table of recordet data. **Attention. Data not previously saved as a CSV file will be irreversibly deleted!**	

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).*	

Save Traffic	Saves the table of recorded data in a CSV file. *(Select the file path and enter the file name.)*	