



Quick Start Guide

EK-F3x-CAP

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- 1 **Install FTDI USB driver** for the sensor cable:

www.ftdichip.com/Drivers/VCP.htm

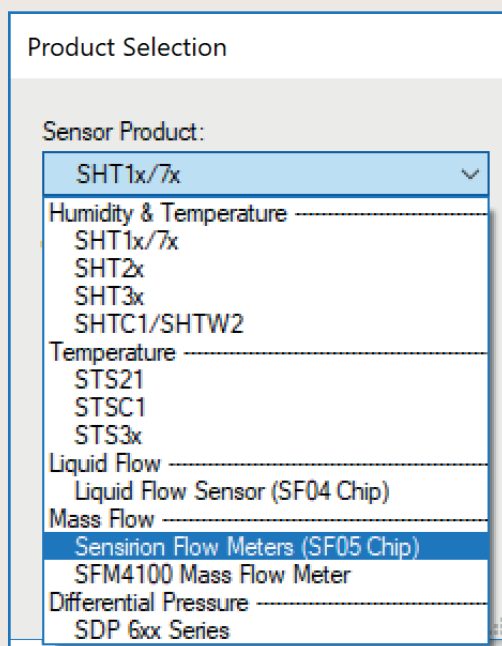
- 2 **Install sensiviewer software** after download from:

www.sensirion.com/USB-viewer

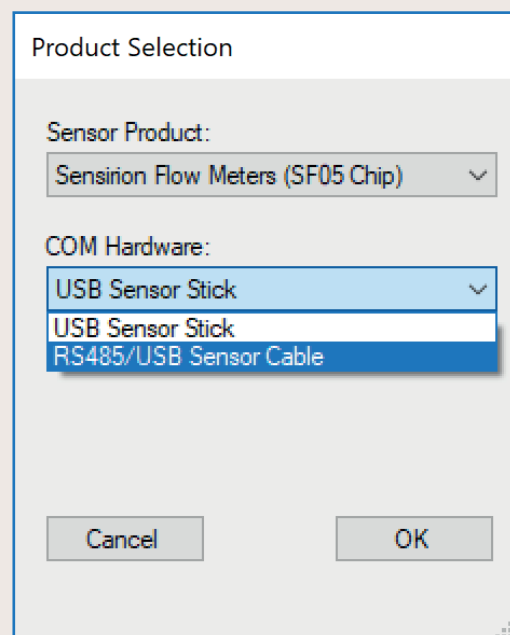
- 3 **Connect the USB sensor cable** to the sensor PCB and the PC.

- 4 **Start up the USB RS485 Sensor Viewer.**

- 5 **Select Sensirion Flow Meters (SF05 Chip)** from Sensor Product.

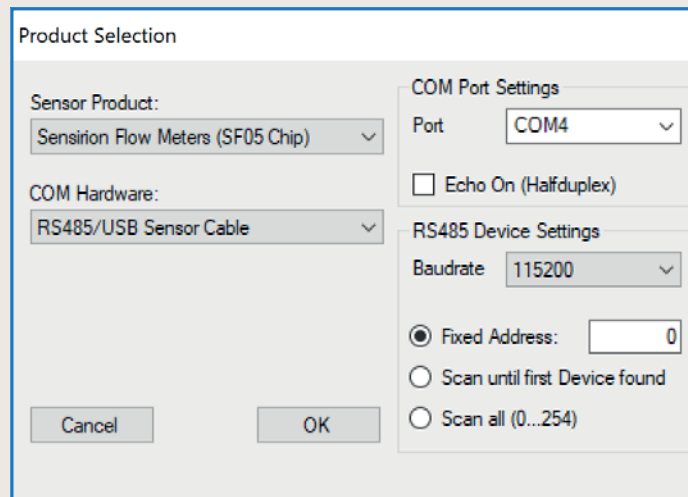


- 6 **Select RS485 / USB Sensor Cable** from COM Hardware.



7 Choose COM Port Settings

Select **COM Port** and press „**OK**“. Highest COM port is most often correct (your COM port may have a different number it should be the one corresponding to the USB serial port. The viewer window should open.

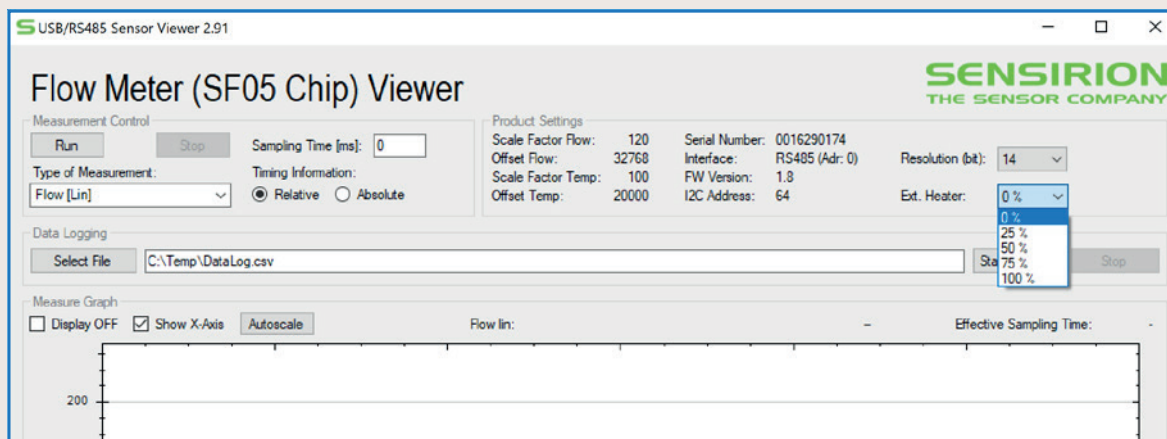


The image shows a 'Product Selection' dialog box with the following settings:

- Sensor Product: Sensirion Flow Meters (SF05 Chip)
- COM Hardware: RS485/USB Sensor Cable
- COM Port Settings: Port: COM4
- Echo On (Halfduplex):
- RS485 Device Settings: Baudrate: 115200
- Fixed Address: (value: 0)
- Scan until first Device found:
- Scan all (0...254):

Buttons: Cancel, OK

- 8 Select the desired **heater power** for the additional heater (see sensor datasheet for details of this option). If option is not needed or you don't know what it is use 0 %.



The image shows the 'Flow Meter (SF05 Chip) Viewer' window with the following settings:

- Measurement Control: Run, Stop, Sampling Time (ms): 0
- Type of Measurement: Flow [Lin]
- Timing Information: Relative Absolute
- Product Settings: Scale Factor Flow: 120, Serial Number: 0016290174, Offset Flow: 32768, Interface: RS485 (Adr: 0), Resolution (bit): 14, Scale Factor Temp: 100, FW Version: 1.8, Offset Temp: 20000, I2C Address: 64, Ext. Heater: 0 %
- Data Logging: Select File, C:\Temp\DataLog.csv
- Measure Graph: Display OFF, Show X-Axis, Autoscale, Flow lin: -, Effective Sampling Time: -

The 'Ext. Heater' dropdown menu is open, showing options: 0 %, 25 %, 50 %, 75 %, 100 %.

9 Press „Run“ to start the program.



