



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

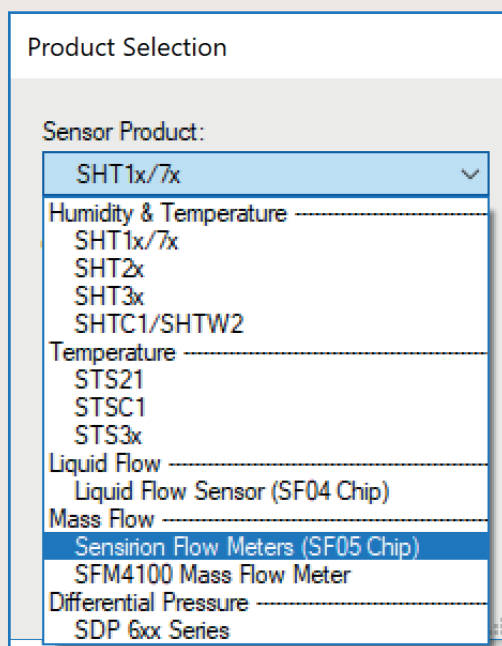
- 2 **Install sensiviewer software** after download from:

www.sensirion.com/USB-viewer

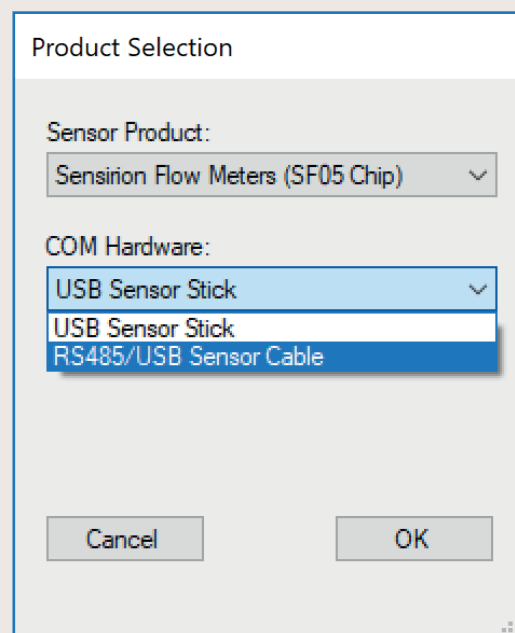
- 3 **Connect the USB sensor cable** to the sensor PCB and the PC.

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

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

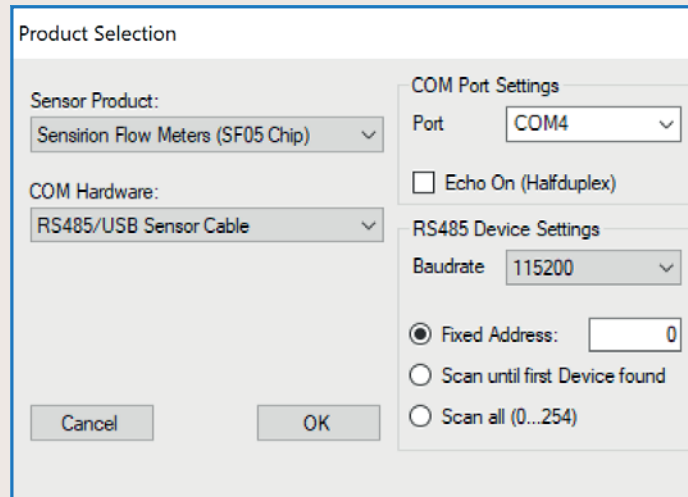


- 6 **Select RS485 / USB Sensor Cable** from COM Hardware.



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.



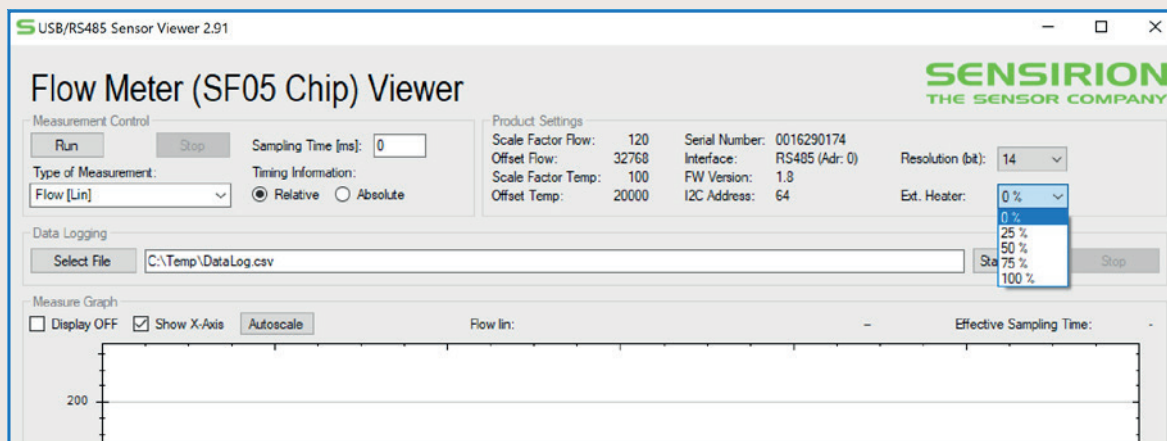
The 'Product Selection' dialog box contains the following settings:

- 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: ☒ 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 'Flow Meter (SF05 Chip) Viewer' window displays the following information:

- Measurement Control:** Run, Stop, Sampling Time (ms): 0, Type of Measurement: Flow [Lin], Timing Information: ☒ Relative ☐ Absolute
- Product Settings:**
 - Scale Factor Flow: 120, Offset Flow: 32768, Scale Factor Temp: 100, Offset Temp: 20000
 - Serial Number: 0016290174, Interface: RS485 (Adr: 0), FW Version: 1.8, I2C Address: 64
 - Resolution (bit): 14, Ext. Heater: 0 % (dropdown menu open showing 0 %, 25 %, 50 %, 75 %, 100 %)
- Data Logging:** Select File, C:\Temp\DataLog.csv, Stop
- Measure Graph:** ☐ Display OFF, ☒ Show X-Axis, Autoscale, Flow lin: -, Effective Sampling Time: -

- 9 Press „Run“ to start the program.



