

SFC6000

Quick start guide
for mass flow controller kit



SENSIRION

Welcome

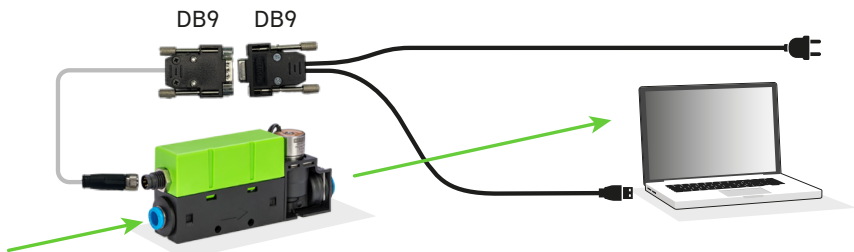
This quick start guide will help you in evaluating SFC6000 in just a few simple steps. All you need is a SFC6000, a PC, a pressurized gas source and the evaluation kit for SFC6000 (sold separately).

Please visit our website for more information on the SFC6000, including the required software: www.sensirion.com/

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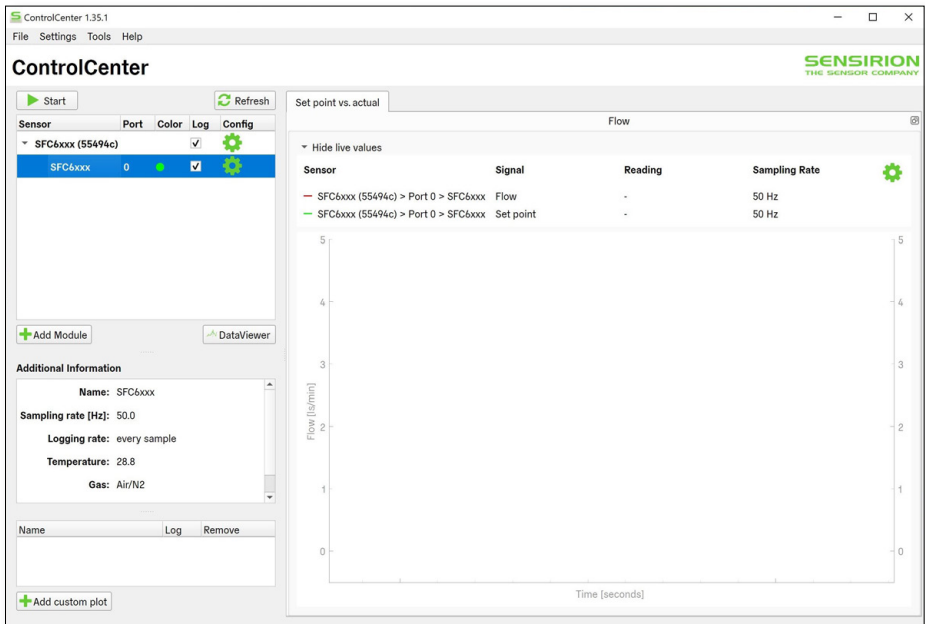
Set-up

- Install the latest version of “ControlCenter” software.
<https://sensirion.com/products/sensor-evaluation/control-center/>
- Connect the SFC6000 in the direction indicated by the arrow to a pressurized gas source. For your first test, the outlet can stay unconnected.
- Connect the two DB9 cables together and the one cable with a round end to SFC6000.
- Connect the USB part of the cable to your PC and the power adapter to an electric source.



Overview of Sensirion ControlCenter

- Start the Sensirion ControlCenter application.
- SFC6xxx should be listed in the sensor window. If it is not listed, the set-up is most likely incorrect and should be reviewed.
- Pressing the wheel symbol opens the configuration window.
- In the configuration window choose the right gas calibration and hit “Done”.
- To start the measurement press “Start”



Controlling Gas Flow

- Launch the ControlCenter and make sure SFC6000 is connected.
- Press “Start” to begin the recording of the measurement.
- Open the configuration window and specify the desired set point.
- Press “Apply” and hit “Done”.
- Configure the set point to be 0 and press “Stop” to end the evaluation.

Note: You need to configure set point to 0, in order to close the valve, else it will remain open.

The screenshot shows a software window titled "SFC6xxx - Configuration". It is divided into two main sections: "General" and "SFC6xxx".

General Section:

- Connected To: SFC6xxx-000000085CFFB43_SFC6xxx@port0
- Serial Number: 000000085CFFB43
- Name: SFC6xxx
- Sampling: Rate 50.000 Hz Interval 0.0 s
- Logging: every sample
- Log every n-th sample Log average over n samples

SFC6xxx Section:

- Set point: 0.0 ls/min
- Controller gain: 1.0 (with an information icon 'i')
- Buttons: Apply, Cancel
- Gas Calibration: Air/N2 O2

**Thank you for your interest
in our mass flow controller solutions.**

Sensirion AG

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