

SFC6000

Quick start guide
for mass flow controller kit



SENSIRION

Welcome

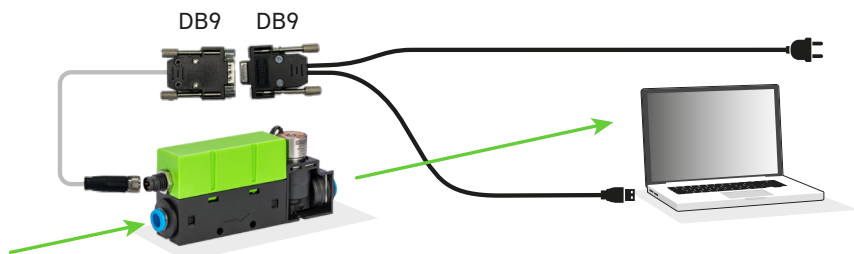
This quick start guide will help you in evaluating SFC6000 in just a few simple steps. All you need is a SFC6000, a PC, a pressurized gas source and the evaluation kit for SFC6000 (sold separately).

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

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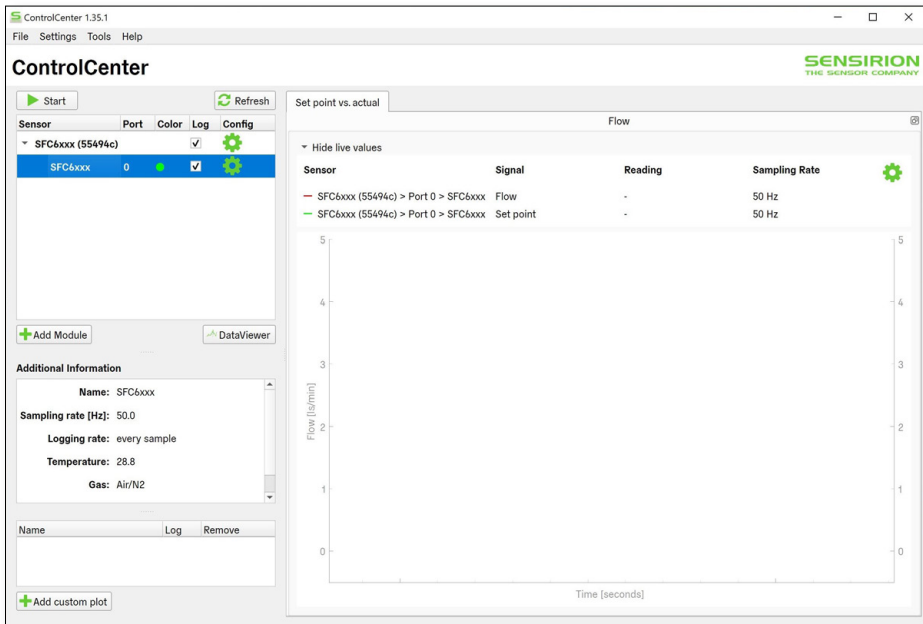
Set-up

- 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 the 'SFC6xxx - Configuration' window. The 'General' tab is active, displaying connection details: 'Connected To SFC6xxx-0000000085CFFB43_SFC6xxx@port0' and 'Serial Number 0000000085CFFB43'. The 'Name' field contains 'SFC6xxx'. Under 'Sampling', the 'Rate' option is selected with a value of '50.000' Hz. The 'Logging' dropdown is set to 'every sample'. Below this, 'Log every n-th sample' is selected. The 'SFC6xxx' tab is partially visible at the bottom, showing 'Set point: 0.0 ls/min', 'Controller gain: 1.0' (with an information icon), and 'Gas Calibration: Air/N2' (selected).

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

Sensirion AG

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