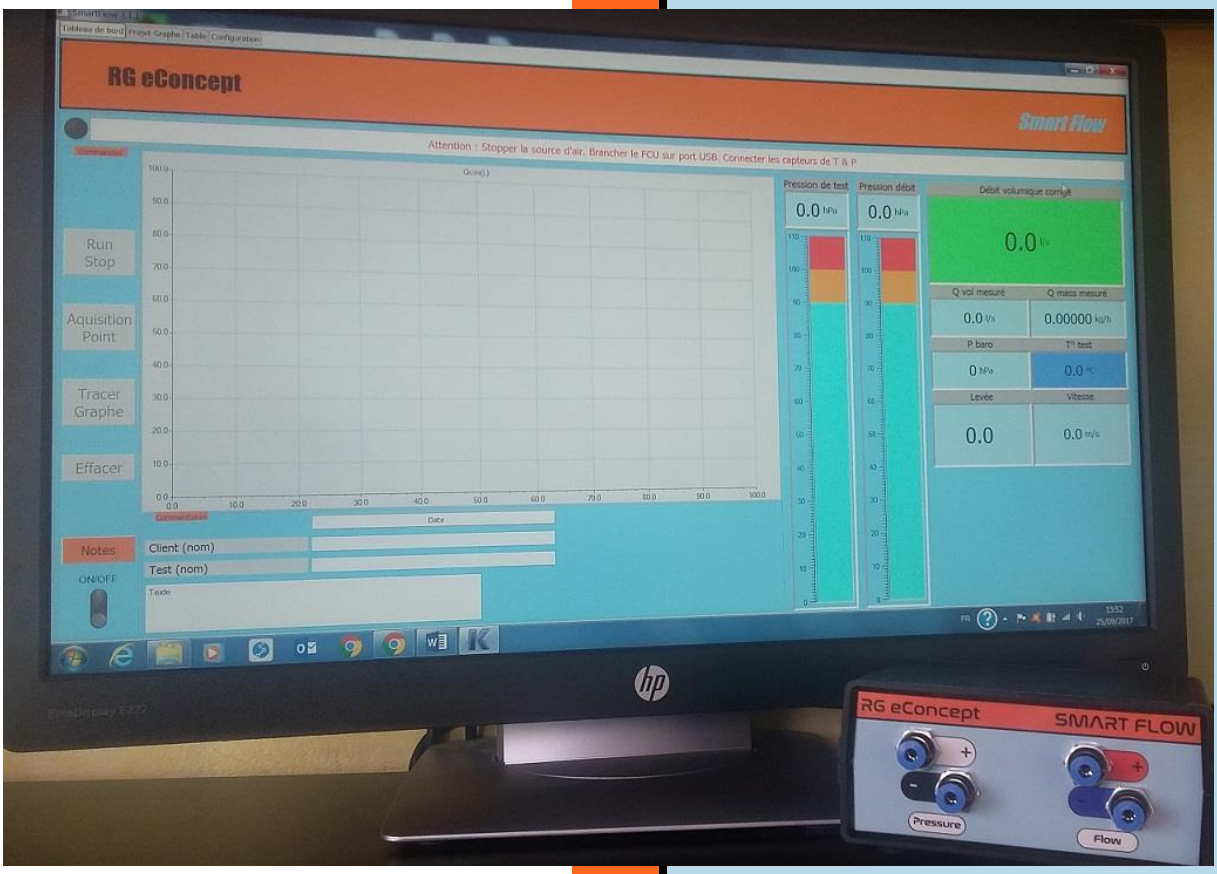
Kit-List & instructions

SmartFlow-SC1



RG eConcept

Smart Motorsport

rgeconcept.fr

StFw-K

Item	Quantity	Components list	Check
1	1	Assembled plenum with fixing flange	
2	1	Assembled flowmeter with diaphragm	
3	1	Outlet elbow 63 mm	
4	1	Adapter 63-40 mm	
5	1	Flat gasket	
6	4	Bolts M5	
7	1	FCU	
8	1	Cable USB	
9	1	Cable temperature sensor	
10	1	Pressure hose black	
11	1	Pressure hose blue	
12	1	Pressure hose red	
13	1	Calibration plate	

1. Introduction

RG eConcept thanks you for choosing SmartFlow as your flow bench. We believe that you will be very satisfied with this measuring equipment.

RG eConcept cannot be held responsible for changes made to your parts and their consequences.

The installation instructions and user manual are available on our website https://www.rgeconcept.fr/ in the documentation section.

The user manual is accessible at any time during operation of the flow bench through the "Help" tab of the SmartFlow software.

2. Flowmeter assembly

- To obtain the entire flow meter, assemble the plenum part with the flow meter part (63 mm tube and cover). For this use either PVC glue or silicone sealant if you want the possibility of disassembly. A real seal must be obtained for optimal operation and measurements to be guaranteed.

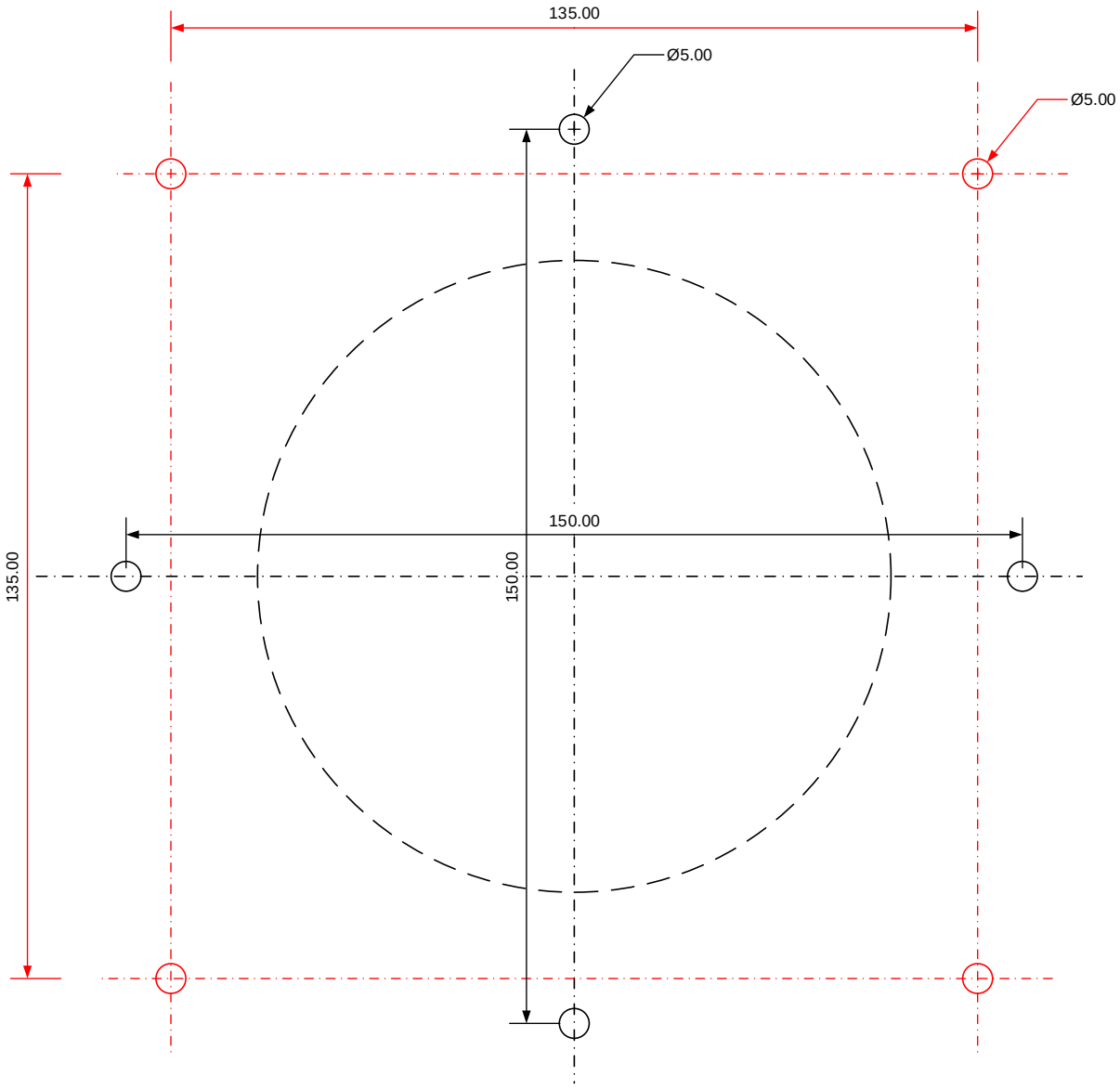
For the validation test, an adhesive tape is used as a seal and is sufficient, but gluing is more appropriate, so it is preferable to remove this tape.

The upper part that fits into the plenum is equipped with the black temperature sensor while the lower part that receives the outlet bend is equipped with the red temperature sensor.

- The outlet bend and the 40 mm adapter should preferably be glued, but a loss of sealing will not affect the measurement.

3. Platform dimensions

Your kit will be mounted on a platform of your choice unless you choose ours. To help you to fix the flow meter, find below the drilling pattern for the flow meter (in black) and the cylinder adapter (in red).



4. Calibration

Your kit is tested in our workshops. However, you can use the calibration plate to check the flow measurement. The flow measured with the standard plate should be approximately 28 l/s or 60 CFM.

You can also adjust the flow rate on a part of which you know the flow rate, a possible functionality by software described in the user manual.