ScioSense

UFM-02_EK

Evaluation Kit User Guide

UFM-02_EK User Guide

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1 Introduction

The UFM-02_EK evaluation kit allows customers a quick and intuitive approach to work with the UFM-02 flow sensing module.

The kit includes of three elements:

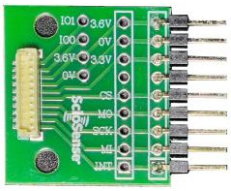
UFM-02-05BSA Flow module, ½” BSPP thread, 10-wire SPI-cable Any other UFM-02 module can be connected instead.		
Adapter board	PicoProg Lite interface	USB-C data cable
		

Figure 1: Components

Please download the latest software for the kit from
https://www.downloads.sciosense.com/UFM-02

1.1 Ordering Codes

Table 1: Pin description

Ordering code	Part Number	Description
UFM-02_EK V1	501020000	Evaluation kit for UFM-02 modules

2 Quick Start Guide

This section describes how to set up the UFM-02 evaluation kit, establish basic operation and make measurements quickly.

2.1 Install the Software

Please download the latest software for the kit from:
https://downloads.sciosense.com/UFM-02

- Unzip the package to the desired directory.
- Open “xxx.exe” from the unzipped directory.

2.2 Install the Hardware

- Connect the PicoProg Lite PCB to the computer by means of the USB cable. The green LED should be on.
- Connect the adapterboard to the PicoProg Lite and the UFM-02 with the 10-wire SPI cable to the adapter board.

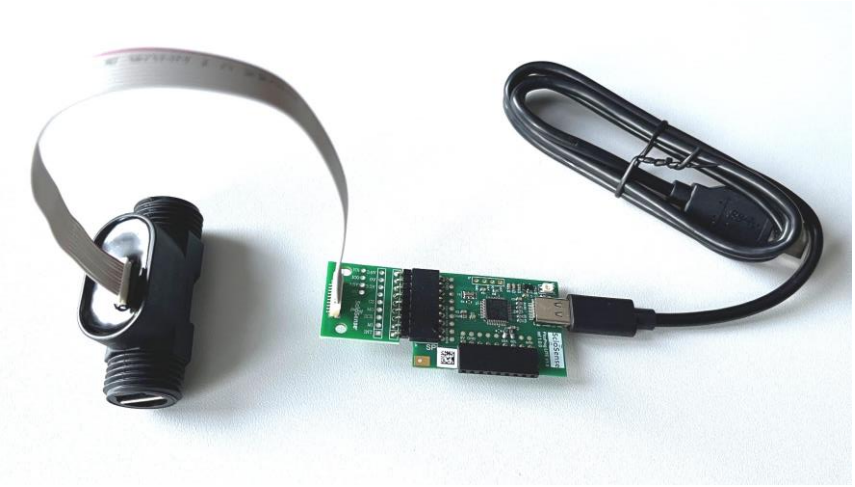


Figure 2: Connecting the components

2.3 Start Software

- Execute the UFM-02 front panel Software. The interface device status should be light green.
- Serial number and product number can be displayed if stored in the device

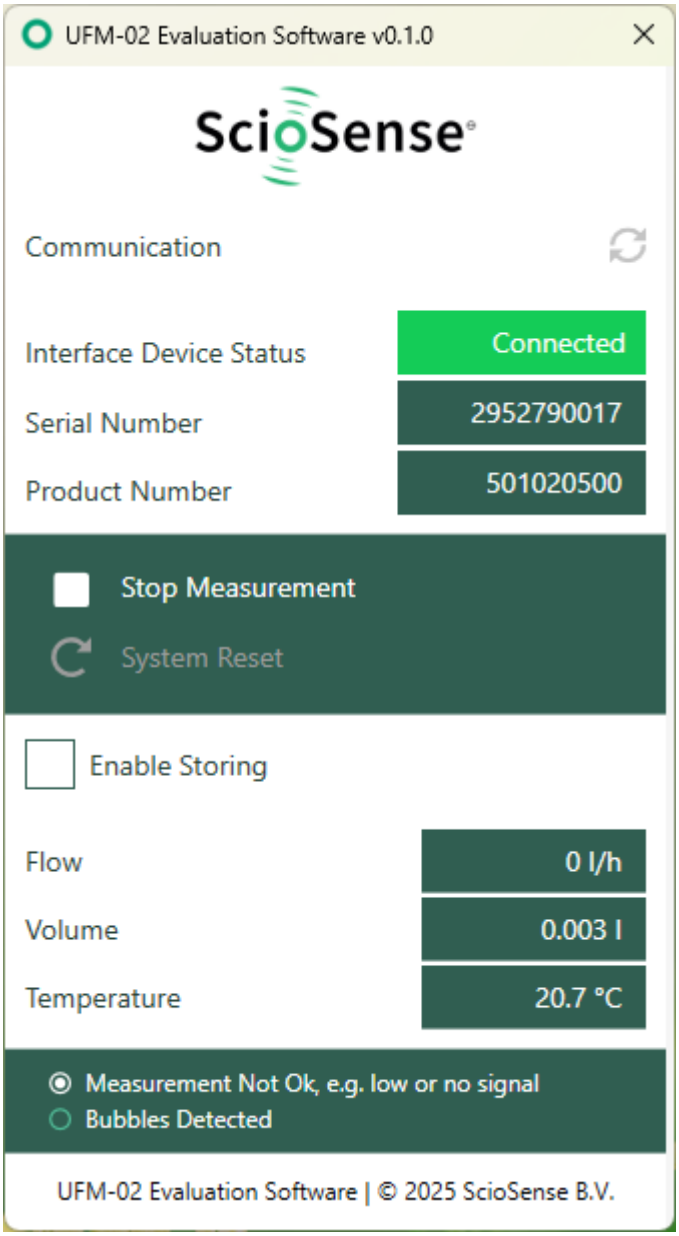


Figure 3: User interface

After pressing Reset and Start Measurement the values for flow, volume and temperature will be updated. In case of an error situation the Measurement not ok flag will be set.

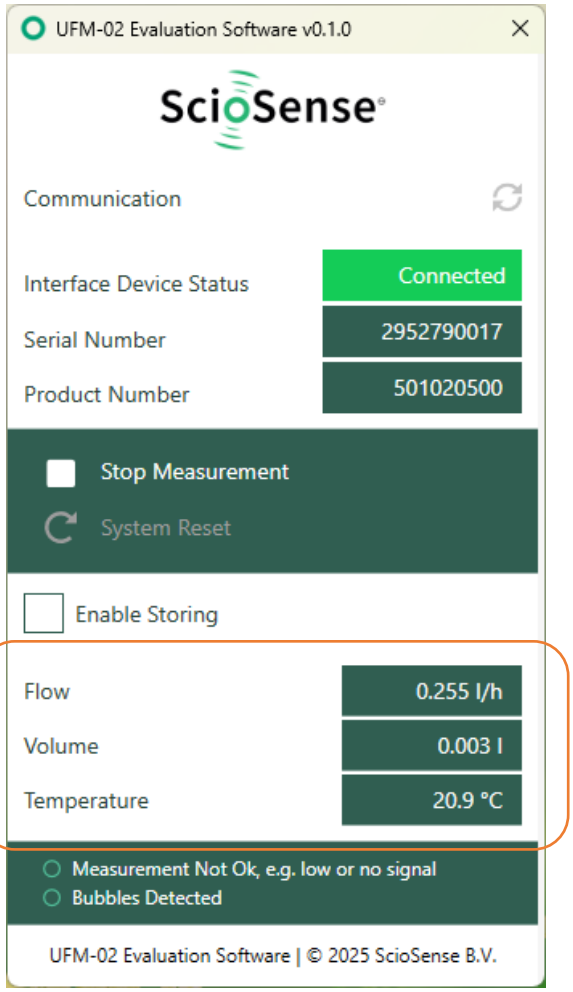


Figure 4: Normal measurement

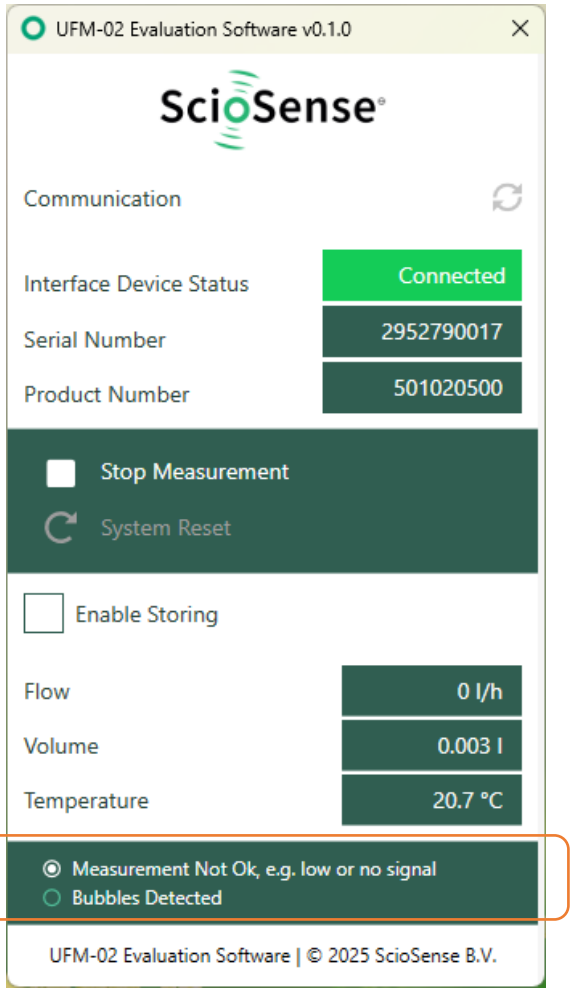


Figure 5: Measurement not ok

3 RoHS Compliance & ScioSense Green Statement

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5 Revision information

Table 2: Revision history

Revision	Date	Comment	Page
1	Nov 2025	First release	All

Note(s) and/or Footnote(s):

1. Page and figure numbers for the previous version may differ from page and figure numbers in the current revision.
2. Correction of typographical errors is not explicitly mentioned.

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