SENSIRION

SCC1-USB/RS485 Sensor Cable - Firmware Update
Application Note for Liquid Flow Sensors

Summary
This document describes how to update the Firmware on the SCC1-RS485 and the SCC1-USB sensor cables

1 Introduction

These firmware update instructions apply to the following products:

- SCC1-RS485 sensor cable with open wire ends, available in two length options: article code 1-100804-01 (length 2m) or 1-101122-01 (length 5m)
- SCC1-USB sensor cable, with integrated USB-to-RS485 converter, article code 1-101007-01

2 Hardware Requirements

The firmware update requires a Windows PC and a means for communicating with the cable.

Compatible hardware configurations for use with the SCC1-RS485 Sensor Cable include:

- PC with RS485 PCI board
- PC with USB to RS485 converter
- PC with RS232 to RS485 converter

The SCC1-USB Sensor Cable has an integrated USB-to-RS485 converter and requires a PC with USB slot.

3 Downloads

Download and install the SCC1-RS485 Sensor Cable Configurator software from this link:

https://sensirion.com/resource/software/SCC1-rs485/configurator

Optionally, download and unpack the latest firmware hex-file from this link:

https://sensirion.com/resource/software/SCC1-RS485/firmware
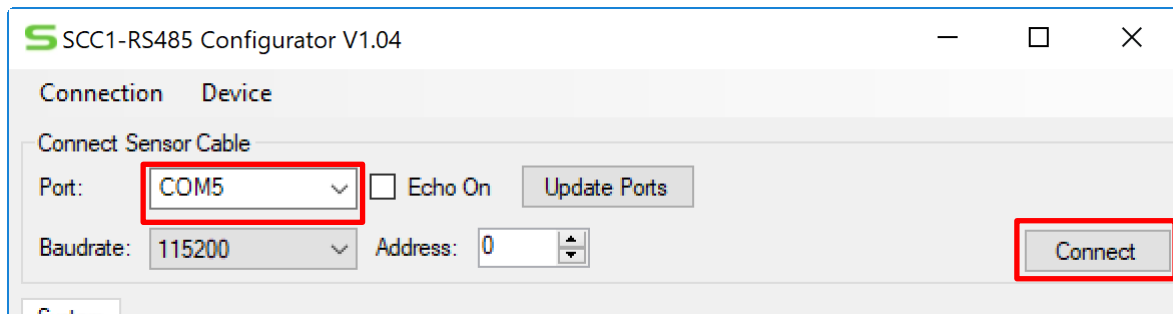
4 Firmware update procedure

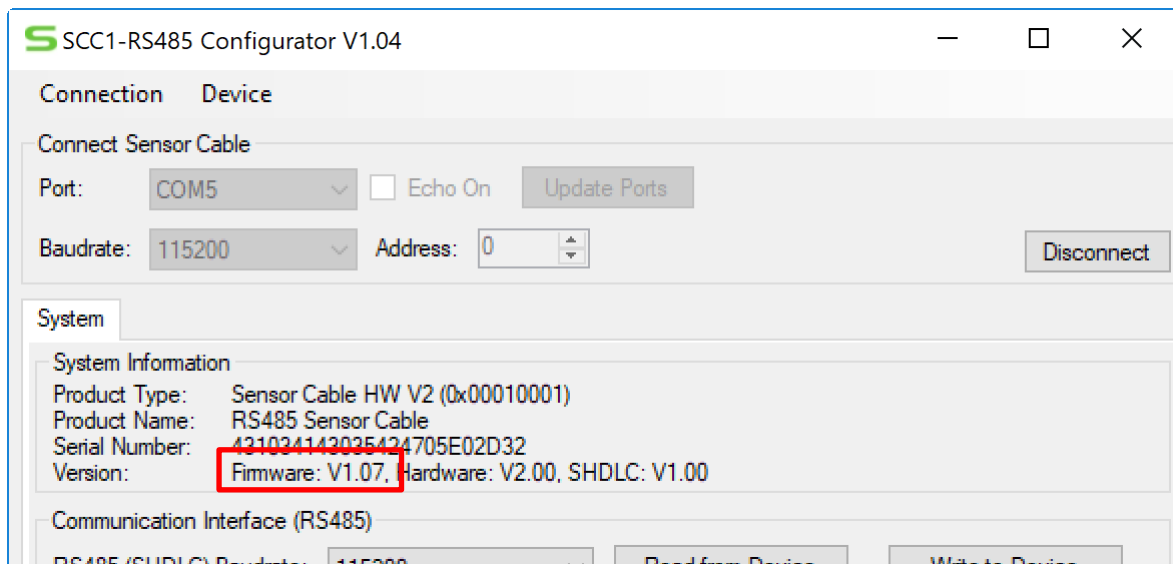## 4.1 Connect the SCC1-USB or SCC1-RS485 Sensor Cable to your PC

> ⚠️ **IMPORTANT!** Make sure to connect only one cable at a time. Firmware update must not be performed with multiple devices on the same RS485 bus.

4.2 Launch the SCC1-RS485 Configurator and connect to the SCC1-USB or SCC1-RS485 Sensor Cable
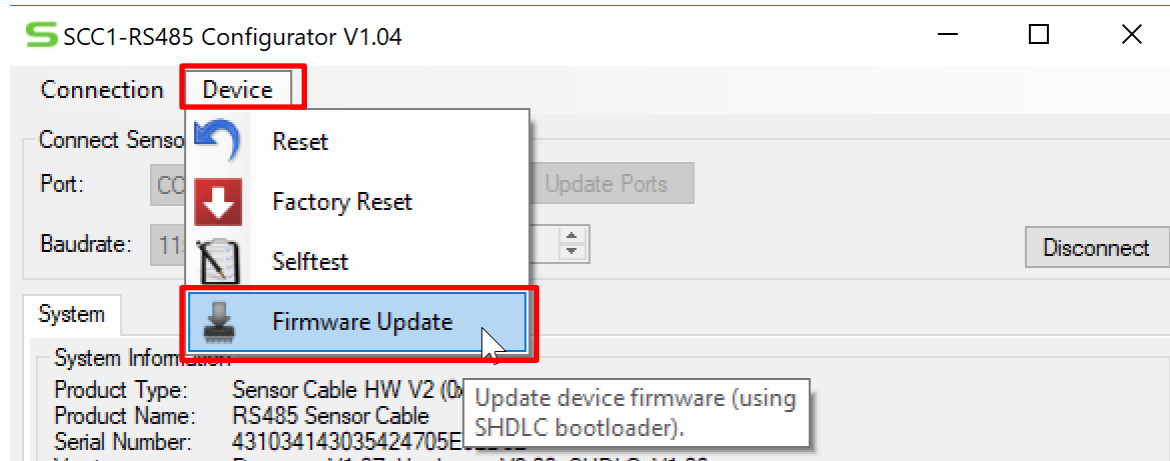
Select the correct COM port and press "Connect".

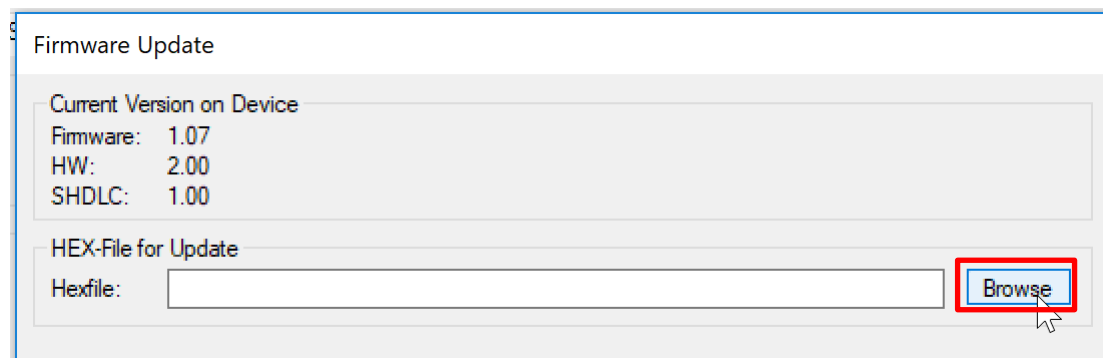The configurator will show the cable's current firmware version:

4.3 Start the Firmware Update
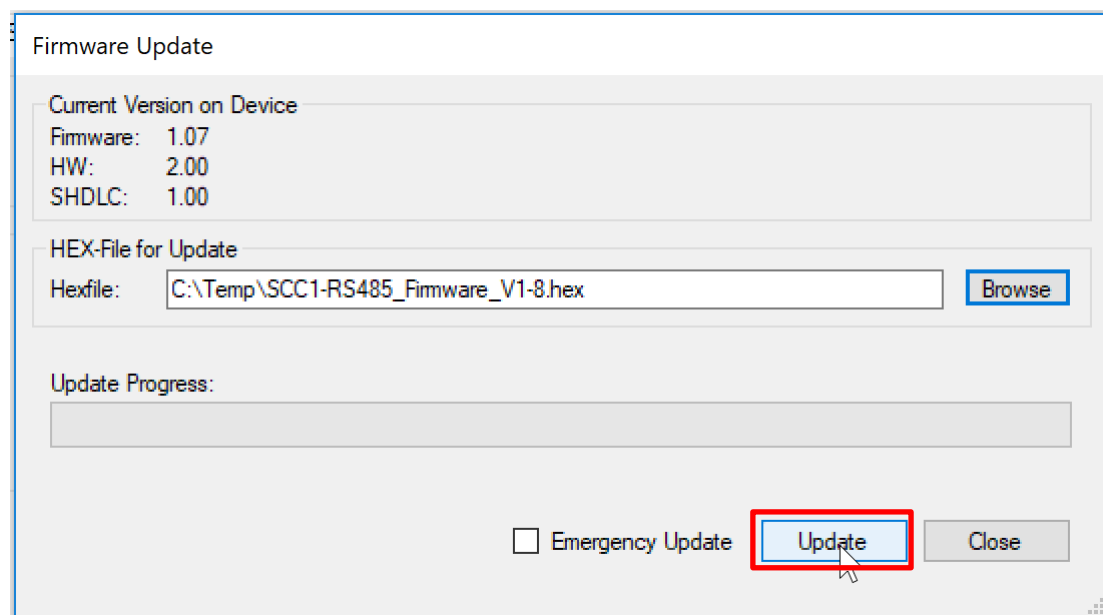
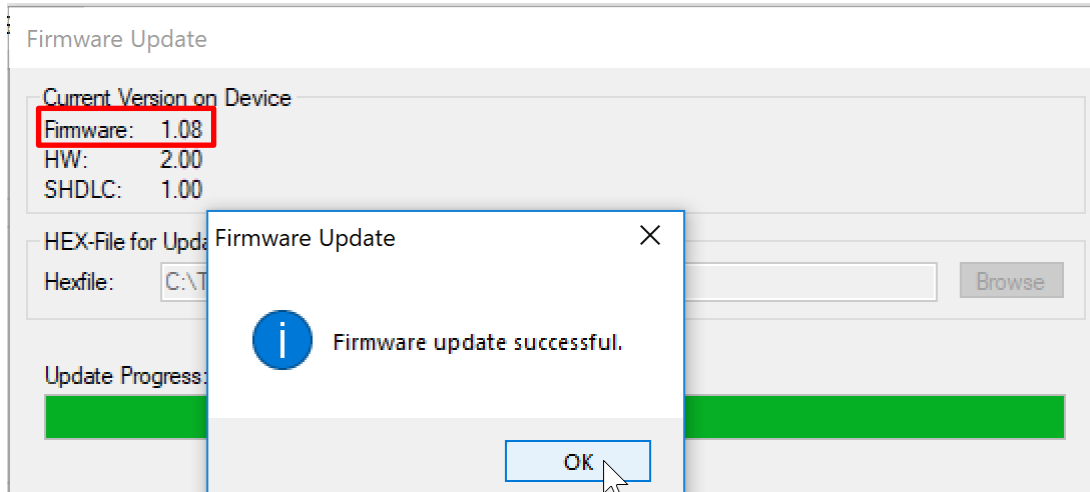Select Device > Firmware Update:

Select the downloaded hex-file:
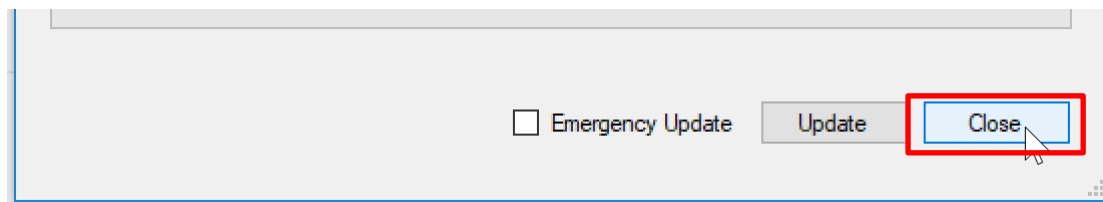

Start the firmware update process:

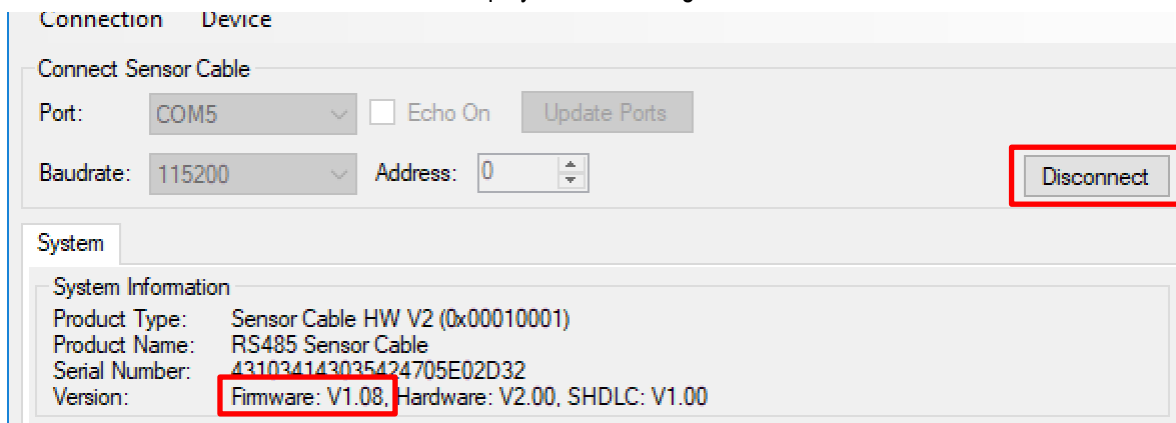## 4.4 Finish the Firmware Update

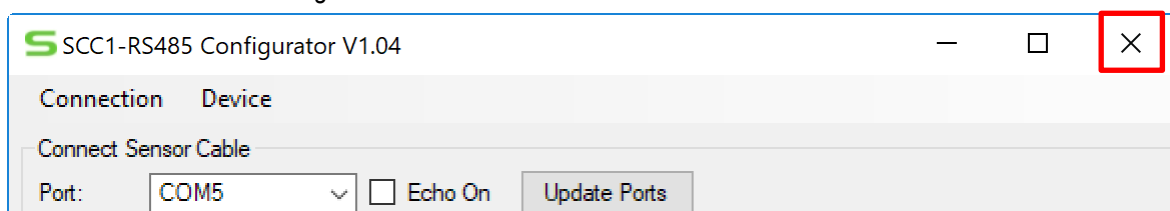Wait until the firmware update has completed successfully:

Close the update window:

Check that the correct firmware version is displayed in the configurator and disconnect the Sensor Cable:

Close the Sensor cable configurator:

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