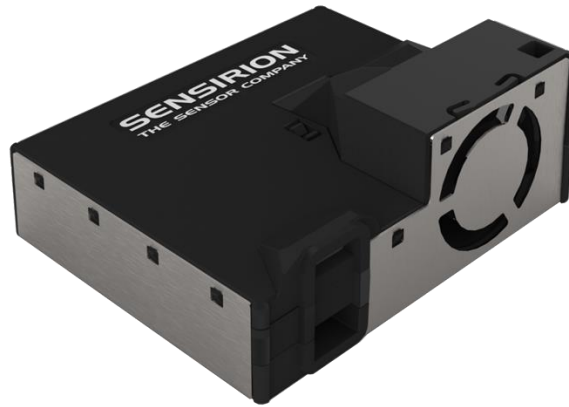# Sensirion I2C SEN54 Arduino

This is the Sensirion SEN54 Arduino using the modules I2C interface.

Supported sensors library

- SEN50 or move
- SEN54

Installation

To install, download the latest release as .zip file and add it to your **Arduino IDE** via

Sketch => Include Library => Add .ZIP Library (Find on Folder)
Don't forget to **install the dependencies** listed below the same way via Add .ZIP Library

Dependencies core

- https://github.com/Sensirion/arduino-core

Quick Start

1. Connect the SEN54 Sensor to your Arduino board's standard I2C bus. Check the pinout of your Arduino unoboard to find the correct pins. The pinout of the SEN54 Sensor board can be found in the data sheet.

SEN5X	*Arduino*	*Jumper Wire*
VCC	5V	Red
GND	GND	Black
SDA	SDA	Green
SCL	SCL	Yellow
SEL	GND for I2C	Blue

Pin 1   Pin 6
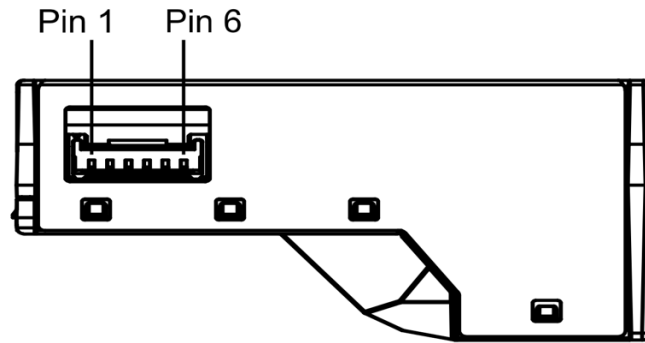
2.

Pin	Name	Description	Comments
1	VCC	Supply Voltage	5V ±10%
2	GND	Ground	
3	SDA	I2C: Serial data input / output	TTL 5V and LVTTL 3.3V compatible
4	SCL	I2C: Serial clock input	TTL 5V and LVTTL 3.3V compatible
5	SEL	Interface select	Pull to GND to select I2C
6	NC	Do not connect	

3. Open Arduino IDE
4. Or try Example File => Examples => Sensirion I2C SEN5X => exampleUsage (Installed library)
5. Click the Upload button in the Arduino IDE or
6. Sketch => Upload

7. When the upload process has finished, open the Serial Monitor or Serial Plottervia the Tools menu to observe the measurement values. Note that the Baud Rate in the corresponding window has to be set to 115200 baud.