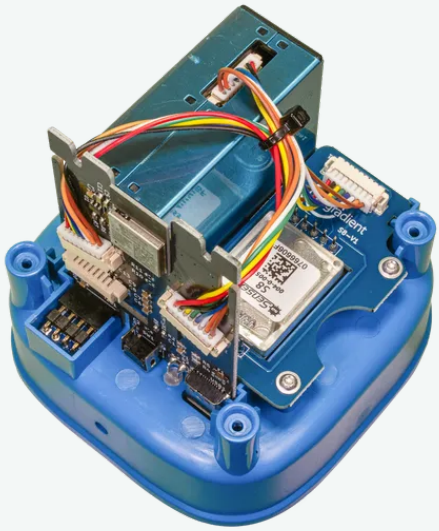
Assemble the sensor modules

Install the modules in order. Use the PCB labels to check the cable connections.



Assembled PCB reference. Photos and technical instructions: AirGradient.

1. Install the SGP41 module

Plug the TVOC / NOx module into the pin holder on the PCB, facing outwards. A small gap between the socket and module is normal.

2. Secure the CO2 sensor

The longer JST cable comes connected to the SenseAir S8/S88 module. Secure the module to the PCB using the two smaller M1.8x11 screws supplied.

3. Connect the PM sensor

Connect the shorter JST cable to the Plantower PM sensor. Check that the connector is firmly seated and correctly oriented.

4. Wire and place the PCB

Connect the PM sensor to the header labelled **PM1**, and the CO2 sensor to **PM2**. Feed the cables through the PCB feeder holes. Place the PM sensor and PCB in the bottom enclosure.

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