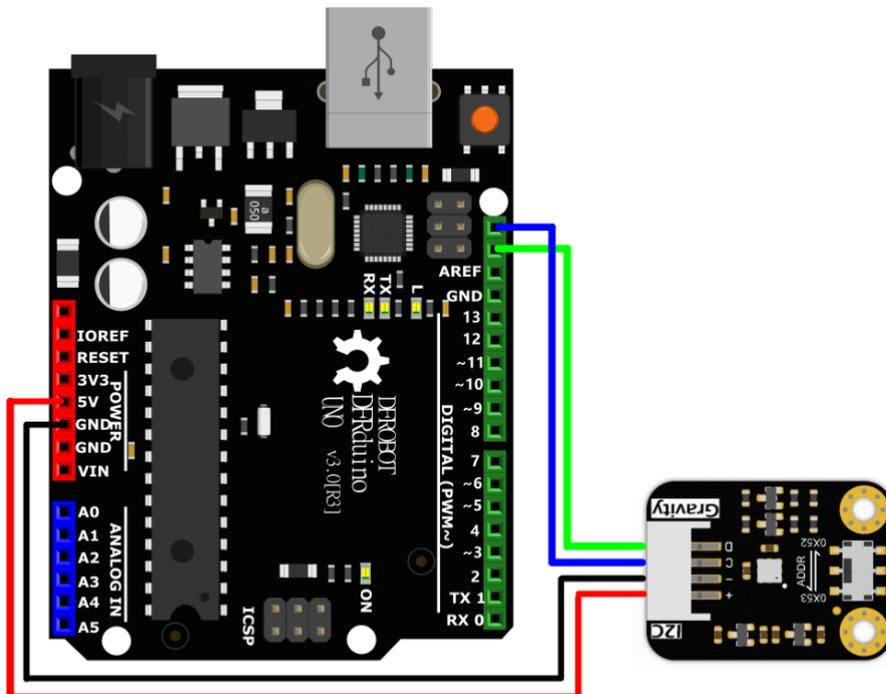
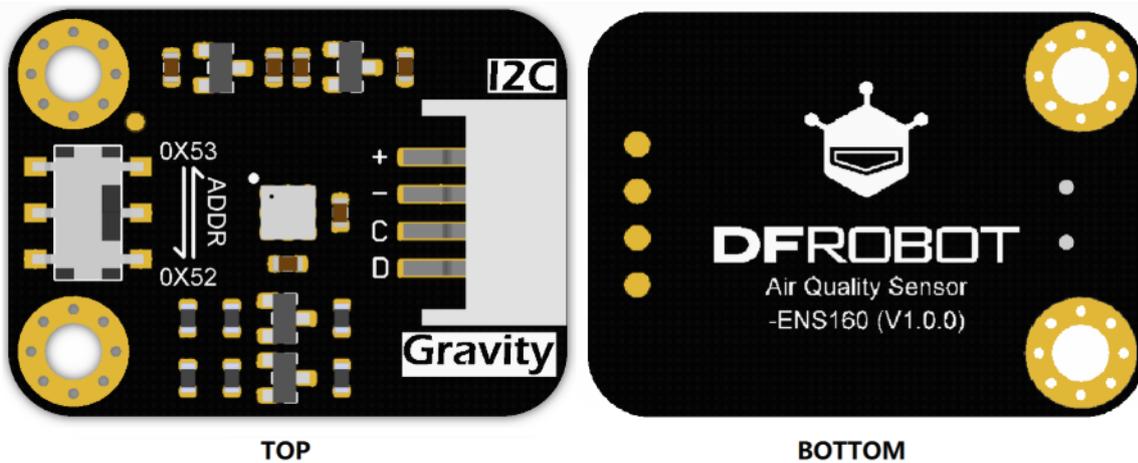


Gravity: ENS160 Air Quality Sensor

INTRODUCTION

This Gravity: ENS160 Air Quality Sensor, based on ScioSense's new ENS160 sensor chip, is specifically designed for indoor air quality monitoring and offers detection of multiple IAQ data (TVOC, eCO₂, AQI).

The innovative TrueVOC™ technology combines the metal oxide (MOX) technology that brings this sensor superior accuracy, fast response, anti-interference, etc. With intelligent on-chip algorithms, the ENS160 can directly output rich and easy-to-understand environmental data. Preheat the sensor 3 minutes before use then you can obtain accurate data more quickly. What's more, the built-in automatic baseline correction algorithm ensures the long-term stability of the sensor.



Connection for I2C

FEATURES

Multiple IAQ outputs (TVOC, eCO₂, AQI), various environmental data

Less than 3 minutes warm-up time, get data faster

Built-in algorithm, more accurate output

Automatic baseline correction, more stable for long-term use

APPLICATIONS

Air purification/home automation device

Environmental pollution detection

HVAC/Ventilation system

Building automation/smart thermostat

Electrical appliances/ range hoods

SPECIFICATION

Power Supply Voltage: 3.3 V~5.5 V

Working Current: 29 mA

Interface Mode: I2C

I2C Address: 0x52, 0x53

Operating Temperature Range: -40°C~85°C

Working Humidity Range: 5 %RH~95 %RH

eCO₂ Measurement Range: 400 ppm~65000ppm

TVOC Measuring Range: 0ppb~65000ppb

Product Size: 30x22 mm/1.18x0.87 inch

SHIPPING LIST

Gravity: ENS160 Air Quality Sensor x1

Gravity-4P I2C/UART Sensor Connector x1

