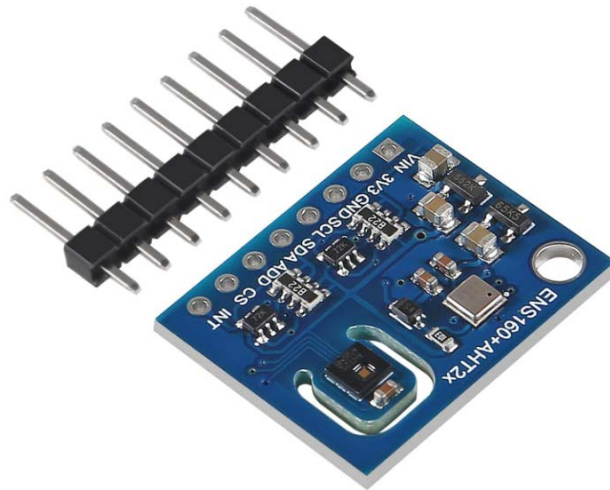


CARBON Dioxide CO2 Air Quality Temperature Humidity Sensor



This module contains 2 sensors, ENS160 sensor and AHT21 sensor. Where ENS160 is the air quality sensor used to sense the concentration of carbon dioxide, AHT21 is the temperature and humidity sensor.

ENS160 Sensor Feature:

- Detection range: with four MOX sensor elements
- Warm up time: 5~60 minutes
- Output: multiple IAQ outputs (TVOC, eCO2, AQI)
- Interface: I2C and SPI interface
- Warm up:<1 minute
- Start up:<1 hour
- Working environment: - 40~+85 °C / 5~95% RH
- Voltage: VDD1.71~1.98V
- Range: 0~65535ppb

AHT21 Sensor Feature

- Power supply voltage: 2.0~5.5V DC
- Measuring range: temperature: - 40~+120 °C, Humidity: 0~100% RH
- Precision (typical value): temperature: ± 0.3 °C, Humidity: $\pm 2\%$ RH (25 °C)
- Resolution: Temperature: 0.01 °C, Humidity: 0.024% RH
- Output signal: I2C signal