

Innovative CO2 sensor



# MerryIoT Air Quality CO2



A MerryIoT Hub is required to get the sensors connected (Sold separately)

Best-in-class integrated 3-in-1 CO2 sensor

CO2 / Temperature / Humidity

Visual color indication of the air quality by waving in front of the device



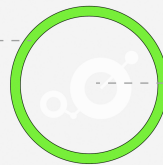
Thousands ft. long range coverage between the hub and the sensor




Built-in alarm buzzer with min 80 dB




Years of battery life time



Signal coverage test button

Press-and-play installation and no tools needed 

Easy to manage with MerryIoT app for both iOS and Android 

## Description

**Indoor** air quality is sometimes worse than the air quality outdoors, however, we now stay indoors more than ever before!

**You** can now define your own comfortable environment using an easily managing app and the MerryIoT Air Quality CO2 monitor!

**Monitor** the level of carbon dioxide, temperature, as well as humidity 24/7 in real time!

### Radio / Wireless

**Sensor Type:** NDIR (Non-dispersive infrared)

**Frequency:** EU 868 MHz; US 902~928 MHz

**Antenna Gain:** -2dBi Peak

**RF Sensitivity:** -135dBm

**Protocol:** LoRaWAN1.0.3

### Power Supply

**Battery Type:** 3.6V AA Li-SOCI<sub>2</sub> x 2 pcs, 5400 mAh

**Expected Battery Lifetime:** About 24 months  
(Note: Service life varies to the operating conditions.)

**Average Current:** 160mA max / 20mA min

### Operating Conditions

**Temperature:** 0 to 50°C

Indoor use (IP40 equivalent)

### Sensors

#### Innovative CO<sub>2</sub> Sensor

- Measurement range: 400 ppm -10000 ppm
- Accuracy:  $\pm(30 \text{ ppm} + 3\%)$

#### Temperature Sensor

- Measurement range: -40°C -70°C
- Accuracy:  $\pm(0.4^\circ\text{C})$

#### Humidity Sensor

- Measurement range: 0 %RH -100 %RH
- Accuracy:  $\pm 3 \text{ %RH}$

#### Proximity Sensor

- Distance: 10cm

### Mechanical Specifications

**Dimensions:** 90mm x 30mm x 70mm

**Weight:** 160 g

### Regulatory Certification

**Type Approval:** CE/FCC/IC