



MERRYIOT CO2 Air Quality Best-in-Class Integrated 3-in-1 Sensor Instructions

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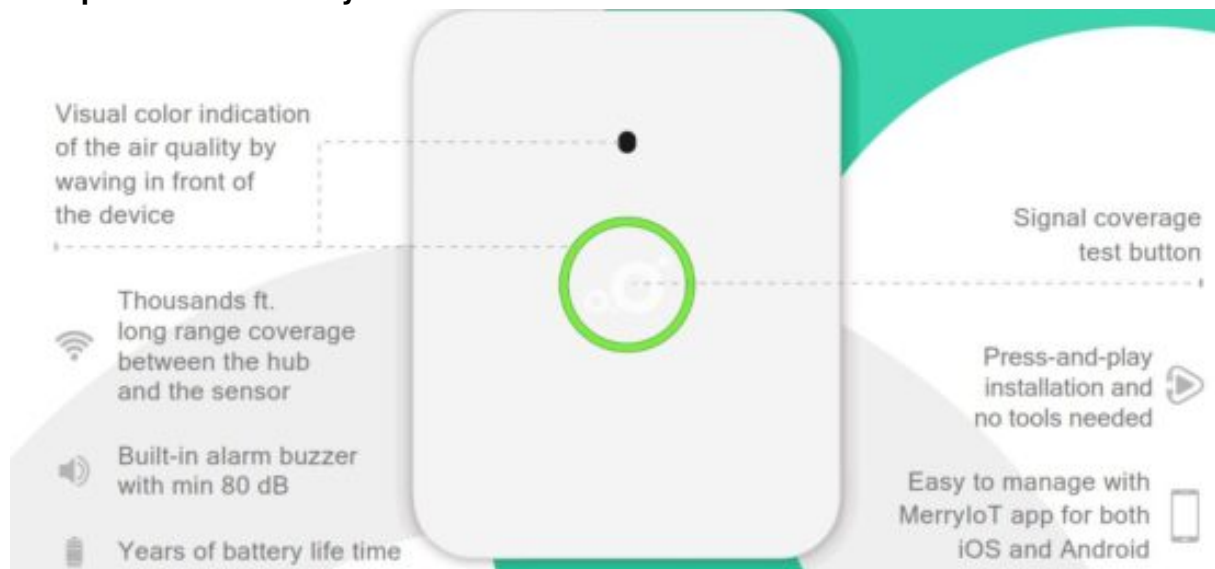
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MERRYIOT CO2 Air Quality Best-in-Class Integrated 3-in-1 Sensor



CO2 / Temperature / Humidity



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-SOCl₂ 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 CO₂ 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

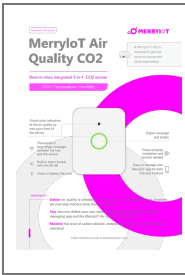
- **Dimensions:** 90mm x 30mm x 70mm
- **Weight:** 160 g

Regulatory Certification

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

sales@browan.com , www.browan.com

Documents / Resources



[MERRYIOT CO2 Air Quality Best-in-Class Integrated 3-in-1 Sensor](#) [pdf] Instructions
CO2, Air Quality Best-in-Class Integrated 3-in-1 Sensor

References

-  [BROWAN COMMUNICATIONS INC.](#)