攜帶式 – 二氧化碳偵測器 產品操作手冊

感謝您購買本公司的產品！為使產品能正常運作，請您詳閱使用手冊，並請依照說明操作。謝謝！

此產品為 USB type A 供電型式的氣體偵測器，通用於 USB type A 供電之介面。產品上電後設備即開始測量環境 CO2 濃度，使用情境設定與讀取數值等功能需透過原廠 App 執行。

使用步驟

1. 開封產品外包裝後，產品包裝內包含操作手冊/偵測器本體/偵測器上蓋
2. 將 Qui Vive 置入 USB typeA 供電介面之後，內建蜂鳴器會發出起始音，LED 操作指示燈即會開始運作。
3. 可透過行動裝置 app 連接 qui vive 裝置(需確認行動裝置開啟藍芽通訊功能)，初始請透過 app 設定環境模式
4. 環境 CO2 濃度超過上限，蜂鳴器會發出警示音，可透過本體末端靜音按鈕消除警示音。兩分鐘後數值持續超標蜂鳴器會重啟警示音。如按靜音按鈕超過 4 秒，蜂鳴器警示將解除至下次警戒狀態

取得審驗證明之低功率射頻器材，非經核准，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。低功率射頻器材之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。前述合法通信，指依電信管理法規定作業之無線電通信。低功率射頻器材須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

Qui Vive CO2 sensor User manual

Thanks for choosing our product! Please read carefully and follow this instruction before using!

This product is a USB type A powered gas detector, which is commonly used in USB type A powered interfaces. When powered on the device Qui vive starts to measure the ambient CO2 concentration. Functions such as setting the application and reading the value need to be performed through the original App.

Steps for usage

1. After unpacking the product, the product package contains the operation manual/detector body/detector upper cover
2. Inserting the Qui Vive into the USB typeA power supply interface, the built-in buzzer will emit a starting sound, and the LED operation indicator will start to operate.
3. The qui vive device can be connected through the mobile device app (enabled on the BT function). Please set the initially application mode through the app
4. When the ambient CO2 concentration exceeds the upper limit, the buzzer will emit a warning sound, which can be eliminated through the mute button at the end of the body. After two minutes, if the value continues to exceed the standard, the buzzer will restart the warning sound. If you press the mute button for more than 4 seconds, the buzzer warning will be released to the next warning state

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines. This equipment has very low levels of RF energy that is deemed to comply without testing of specific absorption rate (SAR).

This device has been tested and meets applicable limits for Radio Frequency (RF) exposure.

The frequency and the maximum transmitted power in EU are listed below:

2402-2480MHz (BR/EDR): XX.XX dBm

2402-2480MHz (LE): XX.XX dBm

IOS app

Android app

PC software

https://www.onthequivive.com/about/6/

SPECIFICATION

Qui Vive is a non-dispersive infrared (NDIR) carbon dioxide (CO2) sensor with built-in USB and BLE connections. The Qui Vive measures CO2 concentration in the surroundings, sounds buzzer and lights warning LED when the CO2 concentration exceeds the setting. An mobile App is developed for this product that enables the Qui Vive to communicate with the mobile phone, which can be used to read the CO2 readings and changes the settings if required. The App also allows the user to calibrate or maintain the sensor when needed.

The product is suitable for vehicle cabin, indoor air quality monitoring and other purposes.

Product Specification

Operating Temperature Range	0 - 50 °C
Storage Temperature Range	-40 to +70 °C
Operating Humidity Range	0 to 95% RH
Warm-up Time	≦ 1 min. (@ full specs ≦ 15 minutes)
Power Input	5V
Power Consumption	Less than 40 mA average
CO2 sensing method	Infrared (NDIR) wave-guide technology
Response Time	< 10 sec. @ 30 cc/min. flow rate or < 1 minutes with natural diffusion
Repeatability	+/- (20 ppm ± 1 % of reading)
Accuracy	+/- (40 ppm ± 3 % of reading)
Annual Zero Drift	< 10 ppm (with in-built ABC function)
Pressure Dependence	1.6 % reading per hPa
Data Transmission	Bluetooth 4.0
Frequency	2.4 GHz
Transmitted power	3 dbm
Product Dimension	80 x 25 x 15 (mm)

Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.