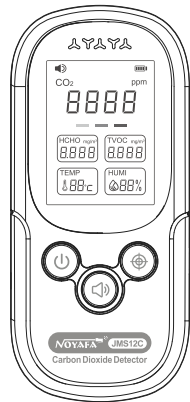


# Carbon Dioxide Detector

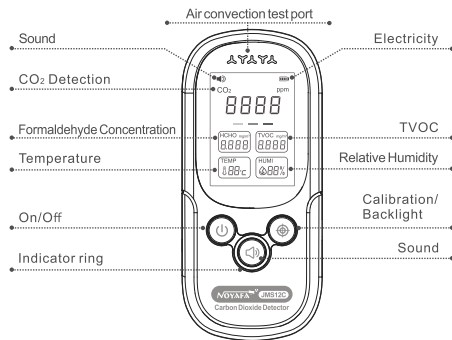
## User Manual



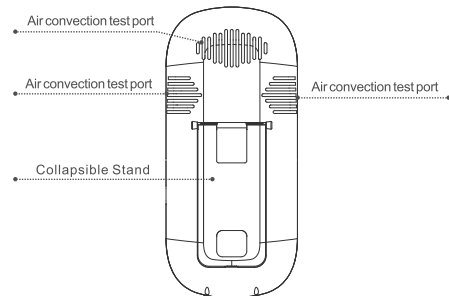
**JMS12C**

## 1. Brief Introduction

The JMS12C is a four-in-one air environmental quality detector that uses advanced sensors to detect carbon dioxide (CO<sub>2</sub>), formaldehyde, TVOC, temperature and humidity at the same time. With the development of economy and the improvement of quality of life, more and more people begin to pay attention to health and environmental protection. After the new home is renovated, in addition to basic ventilation and placement of formaldehyde plants, carbon bags and other measures, many people will also use air quality detectors to fully detect air quality conditions, comprehensive protection of pregnant women, children, the elderly and family members of the health.



Front View



Back View

## 2. Product Features

- 1.CO<sub>2</sub> detection: Non-dispersed infrared (NDIR) theories.
- 2.Formaldehyde detection: semiconductor gas-sensitive sensors theories.
- 3.TVOC detection: semiconductor gas sensor theories.
- 4.Temperature and humidity detection: semiconductor wet and thermal sensors theories.
- 5.Sound alarm: the screen real-time display bad, poor, good, excellent, poor air quality, LED red and green changes.

- Battery Tip: The battery icon in the upper right corner of the screen shows the amount of power remaining.
- Brightness adjustment: through the brightness adjustment button to adjust the screen high and low brightness.
- Alarm sound: through the sound button to turn the alarm sound on and off, the upper left corner of the screen volume icon to display the alarm sound status.

### 3. Instructions

- Before the new machine is used, please place it on the balcony or the huge external ventilation for more than 2 hours. (Avoid smelling places).
- After pressing the power-on key for 5 seconds, start the 100-second countdown and end the CO<sub>2</sub> concentration and temperature and humidity display, formaldehyde concentration and TVOC concentration display shows that after 80 seconds, this time can be calibrated.
- Calibration will be the instrument to the huge outer air fresh good place, the instrument after 5 minutes of static long press and hold the brightness adjustment button 5 seconds for calibration, calibration began the instrument issued a long sound, 10 seconds after the successful calibration of the instrument again long chirp.

Calibration Note: The air must be pure and well ventilated during calibration, away from alcohol, perfume, etc., to avoid incorrect calibration. If clean air is not guaranteed, find a place with good air quality and recalibration.

- Start detection: get the detection point position static 3-5 minutes can directly read the results. At the end of the inspection, press and hold the switch key for 5 seconds to shut down, keep the instrument properly.
- At the end of the test, press and hold the switch key for 5 seconds to shut down, put away the instrument and keep it safe.

### 4. Description of the measurement results

	Concentration Range: ppm	Air quality
CO <sub>2</sub>	0 ~ 1000	Excellent
	1000 ~ 2000	Good
	2000 ~ 3000	Poor
	3000 ~ 5000	Bad
	Concentration Range: mg/m <sup>3</sup>	Air quality
HCHO	0 ~ 0.09	Excellent
	0.09 ~ 0.13	Good
	0.13 ~ 0.3	Poor
	0.3 ~ 0.4	Bad

- Excellent air quality, the screen shows "excellent", the result light is green.
- Good air quality, the screen shows "good", the result light is green.
- Poor air quality, the screen shows "poor", the result light is red, it is recommended to open the window immediately.

- Air quality is bad, the screen shows "bad", the result light is red, buzzer 'Drip' sounds 5 alarms, indicating that formaldehyde or CO<sub>2</sub> is seriously overshooting the standard.

### 5. Technical parameters

Carbon dioxide detector parameter specification	
Product Name	CO <sub>2</sub> Detector
Product Model	JMS12C
Product Size	70*155*25mm
Battery	3.7V lithium battery (700mAh)
Display	VA LCD Display
Co <sub>2</sub> Detection Principle	Non-Dispersive infrared (NDIR)
Co <sub>2</sub> Detection range	400~5000 (ppm)
HCHO Detection principle	Semiconductor gas-sensitive sensors
HCHO Detection Concentration Range	0 ~ 0.4 (mg/m <sup>3</sup> )
TVOC Detection range	0 ~ 1.577 mg/m
Temperature detection range	0°C ~ 45°C
Temperature detection accuracy	1°C
Humidity detection range	0~100%
Humidity detection accuracy	1%

设计	品名	样式
HZL	JMS12C-说明书英文-V1.1	3折页
日期	品号	页码
2021.11.20	暂无	
版本	尺寸	材质
V1.1	100x70mm	128g铜版纸
备注		