

Air Quality CO₂ Monitor Zi-9720

1. Description

CO₂ detector is a sort of exquisite concise and efficient detector launched by CEM recently, which is integrated with CO₂, temperature and humidity detection function. This device has adopted high-precision CO₂ Sensor which can detect the CO₂ accurately and sensitively. The device is equipped with an accurate sensor that can detect the temperature and humidity at current environment. The operation is very simple. There's a high capacity rechargeable lithium battery inside, it is very convenient to carry, so that we can check air quality from time to time.

2. Feature

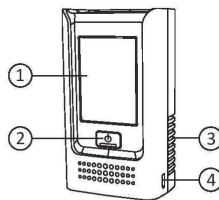
- NDIR (non-dispersive infrared) CO₂ sensor
- Checks for Carbon Dioxide (CO₂) concentrations
- Indoor Air Quality displayed in ppm with Good (0 to 800ppm), Normal (800 to 1500ppm), Poor (>1500ppm) indication
- Easy to read, large dual display
- Simultaneously displays (CO₂) concentrations, Air Temperature and Humidity
- Low battery indication.

3. Specifications

	Range	Accuracy	Resolution
CO ₂ concentration measurement	0 to 5000ppm	±75 ppm ±5% of reading	1 ppm
Temperature	-10 to 50°C	±1°C	0.1°C/°F
Humidity	0 to 100 %RH	±3.5 %RH (20%RH-80%RH) ±5%RH (0%RH-20%RH/ 80%RH-100%RH)	0.1 %RH
Battery	1000mAh rechargeable lithium battery		
Charging	Micro USB DC 5V 1A		
Working temperature	-10 to 50°C		
Storage temperature	-10 to 60°C		

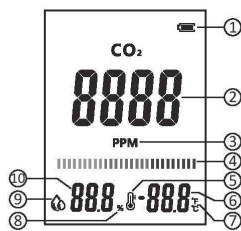
4.Names and function of parts LCD display

1. LCD Screen
2. Menu Button
3. Sensor Outlet
4. Micro USB Connector




5. LCD Introduction (Below is the Picture of LCD)


1. Battery power icon
2. CO₂ display value
3. CO₂ unit : PPM
4. analog bar
5. Temperature icon
6. Temperature display value
7. Temperature unit : Celsius and Fahrenheit
8. Humidity unit : %RH
9. Humidity icon
10. Humidity display value



6. Operation Instructions

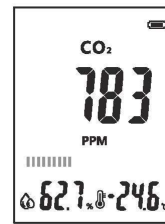
Key function

In the power off mode, press and hold  button, until the LCD is on, then the unit will power on.




In the power on mode, Press the  button briefly will switch between Celsius and Fahrenheit. press and hold button, until the LCD is off, then the unit will power off.

Start measuring

Press the power button to start the instrument. The CO₂ data, temperature data and humidity data update the once every second. The analog bar in the middle of the liquid crystal will indicate the current environmental quality according to the CO₂ concentration.



CO₂ concentration corresponds to colors showed by the device.

Range(PPM)	Grid	Color	Grade
<800	1	 Green	GOOD
800~1500	2	 Yellow	NORMAL
>1500	3	 Red	POOR

7. Battery and Charging

This battery icon at the top of the screen would indicate the battery status.

Please charging instrument when the battery icon is shown at the right top of the LCD screen, in case that the device is auto-off.



Rev.210913