



## INSTRUCTION MANUAL

### MT182

### Air Quality CO2 Monitor



#### 1. Introduction

The MT182 is an air quality monitor detector with exquisite, concise and efficient detector which is integrated with CO<sub>2</sub>, temperature and humidity detection. The device has a high precision CO<sub>2</sub> sensor which can detect CO<sub>2</sub> accurately and sensitively. The MT182 not only displays the readings on a negative LCD display, but also has a colour bargraph indication to indicate the CO<sub>2</sub> grade level – Green is Good, Yellow is Normal and Red is Poor. The unit has a 1000mAh high capacity rechargeable lithium battery and a battery icon indicating the battery status. The operation of the unit is simple and very convenient to carry, especially to check the air quality from time to time in various areas.

#### 2. Features

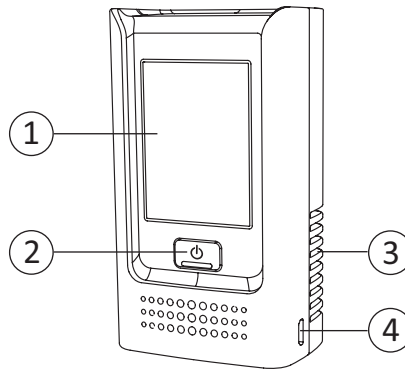
- NDIR (non-dispersive infrared) CO<sub>2</sub> sensor.
- Check for Carbon Dioxide (CO<sub>2</sub>) concentrations.
- Indoor Air Quality displayed in ppm with Good (0 to 800ppm), Normal (800 to 1500ppm) & Poor (>1500ppm) indication.
- Easy to read large dual display.
- Simultaneously displays (CO<sub>2</sub>) concentrations, air temperature and humidity.
- Low battery indication.

#### 3. Specifications

Function	Measurement	Accuracy	Resolution
CO <sub>2</sub> Concentration Measurement	0 to 5000ppm	±75ppm ±5% of reading	1ppm
Temperature	-10°C 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°C to 50°C		
Storage Temperature	-10°C to 60°C		

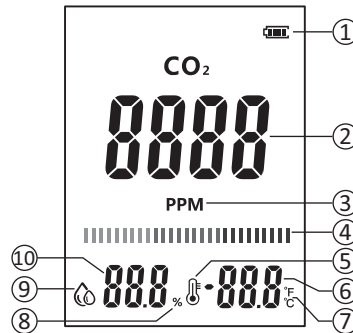
#### 4. Names and Functions

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



#### 5. LCD Display

1. Battery Power Icon
2. CO2 Display Value
3. CO2 Unit: PPM
4. Analogue Bargraph
5. Temperature Icon
6. Temperature Display Value
7. Temperature Unit: Celsius & Fahrenheit
8. Humidity Unit: %RH
9. Humidity Icon
10. Humidity Display Value



#### 6. Operation Instructions

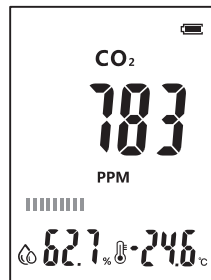
##### 6.1 Key Function

To turn on and off the meter, hold down the button.

While the meter is on, press the button to switch between Celsius and Fahrenheit

##### 6.2 Start Measuring

Turn the meter on. The CO2 level, temperature and humidity measurements will update once every second. The analogue bargraph in the middle of the LCD will indicate the current environmental quality according to the CO2 concentration.



CO2 concentration corresponds to colours shown on the LCD display

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

#### 7. Battery and Charging

The battery icon at the top of the screen will indicate the battery status. Charge the meter when the battery icon displays a Low Battery. If battery does not charged, the meter will auto turn off.



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