

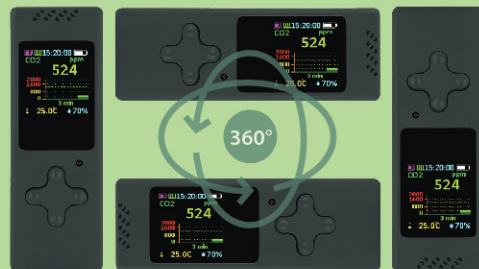
# Handheld Multi CO<sub>2</sub> Detector



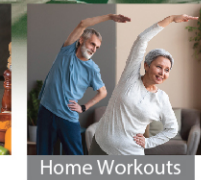
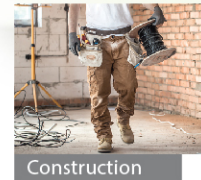
- CO<sub>2</sub>
- Temp.
- RH
- Real Time
- Thermal Image (option)



ZG5



360° automatic LCD rotation



- Dual beam NDIR technology is used to measure CO<sub>2</sub> up to 9,999ppm.
- 360° automatic LCD rotation for easy reading.
- Audible alarm and CO<sub>2</sub> indicator record for 24 hours.
- Clearly display with color TFT LCD.
- Detection of CO<sub>2</sub>, RH and temperature, THi and SEi.
- Visible 32\*32 thermal image sensor(option).
- Support Li-ion 18650 battery for more than 20 hours.

## IAQ CO<sub>2</sub> concentration status

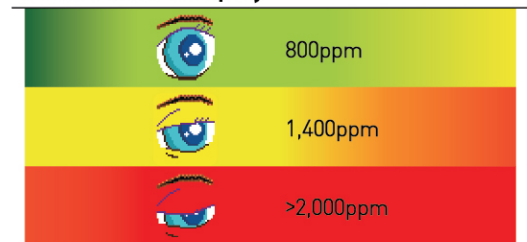
### Beeping Alarm

- Only once
- Every 10secs
- Every 5mins

CO<sub>2</sub> >1,400ppm, you will hear 3 beep sounds.  
 CO<sub>2</sub> >4,000ppm, you will hear 4 beep sounds.  
 CO<sub>2</sub> >5,000ppm, you will hear 5 beep sounds.

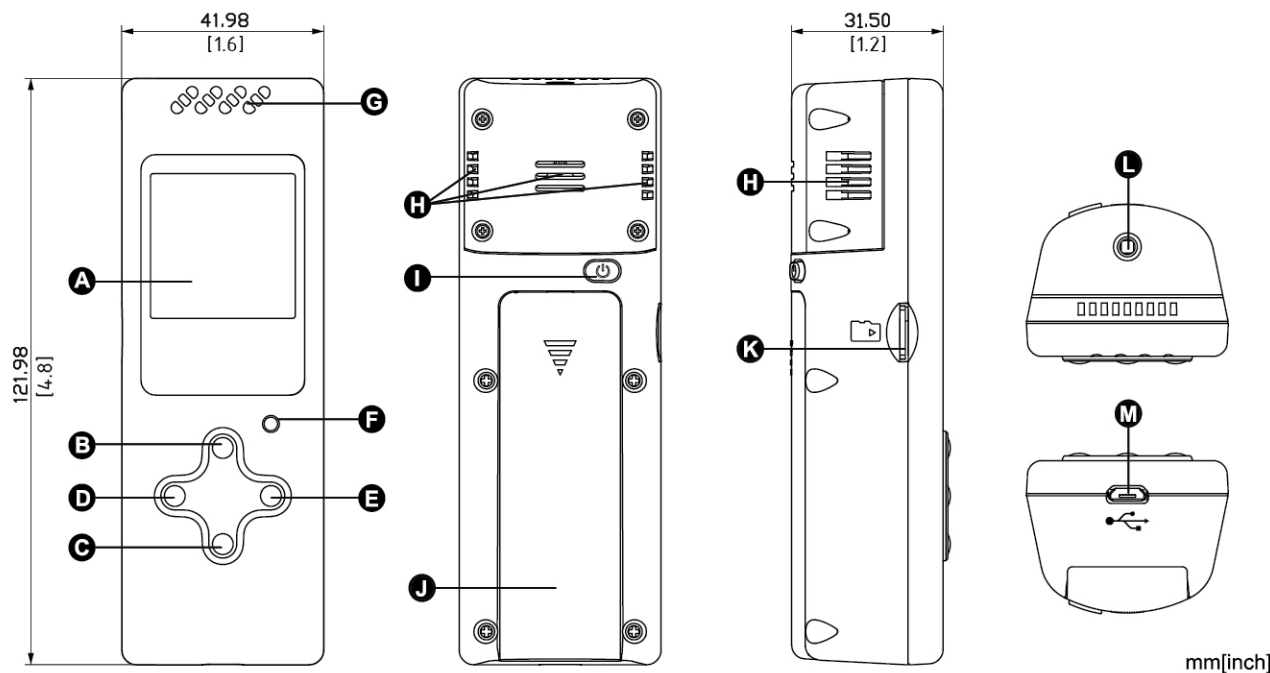
- The index of Indoor Air Quality : THi and SEi  
 THi : Temperature- Humidity Index  
 SEi : IAQ air quality + THi  
 (Environmental Comfort Index)

### Emotion Icons Display



The color gradually changes with CO<sub>2</sub> concentration





- A** LCD
- B** Up Key
- C** Down Key
- D** Mode Key
- E** Enter Key
- F** Charging LED Indicator
- G** Temperature and Humidity Sensor
- H** Ventilation Slots
- I** Power Key
- J** Battery Cover
- K** Micro SD Card Slot
- L** Thermal Image Sensor(Optional)
- M** Micro USB Slot

mm[inch]

## Specifications

### CO<sub>2</sub> Specification

|                          |                         |
|--------------------------|-------------------------|
| <b>Measurement Range</b> | 0~9,999 ppm             |
| <b>Accuracy</b>          | ±(50 ppm+3% of reading) |
| <b>Resolution</b>        | 1 ppm                   |

### Temperature Specification

|                          |                       |
|--------------------------|-----------------------|
| <b>Measurement Range</b> | 0°C~50°C (32°F~122°F) |
| <b>Accuracy</b>          | ±1°C (±2°F)           |
| <b>Resolution</b>        | 0.01°C (0.01°F)       |

### RH Specification

|                          |                            |
|--------------------------|----------------------------|
| <b>Measurement Range</b> | 0%~100% RH                 |
| <b>Accuracy</b>          | ±10% @25°C (20% RH~80% RH) |
| <b>Resolution</b>        | 0.01%                      |

### Atmospheric Pressure Specification

|                                                                 |                                      |
|-----------------------------------------------------------------|--------------------------------------|
| <b>Measurement Range</b>                                        | 50Kpa~110Kpa                         |
| <b>Accuracy</b>                                                 | ±0.4kpa                              |
| <b>Resolution</b>                                               | 0.1mmHg                              |
| <b>Thermal Image Measurement Range and Resolution(Optional)</b> | 0°C~80°C (32°F~176°F); visible 32*32 |

### Operating Conditions

|                    |                          |
|--------------------|--------------------------|
| <b>Temperature</b> | 0°C~50°C (32°F~122°F)    |
| <b>Humidity</b>    | 0~95% RH, non-condensing |
| <b>Interface</b>   | Micro USB                |

### Battery Condition

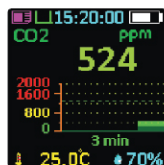
|                     |                                                                                                                                                     |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Power Supply</b> | Rechargeable Battery (not included)<br>Li-ion 3.7V Unprotected Button top 18650 battery*1pcs (L65~67mm, Ø18~19mm)(Battery Life: more than 20 hours) |
| <b>Adapter</b>      | 5V±5% >1A, 100~240VAC, 50/60Hz                                                                                                                      |
| <b>Micro SD RAM</b> | Support micro SD card up to 32G.<br>(Recommend to use the attached 16G micro SD card)                                                               |

### Storage Condition

|                    |                         |
|--------------------|-------------------------|
| <b>Temperature</b> | -20°C~60°C (-4°F~140°F) |
|--------------------|-------------------------|

(Specifications are subject to change without notice)

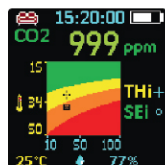
## LCD Display



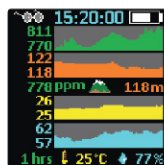
Main Screen



Time Display



THI and SEI Display



All Sensors Display



Set Menu



User Manual

## Rotated Screen



360° automatic LCD rotation