

## KeepAlert Handheld CO<sub>2</sub> Meter



The KeepAlert Handheld CO<sub>2</sub> Meter is designed to measure CO<sub>2</sub> levels as well as temperature and humidity. The KeepAlert Handheld CO<sub>2</sub> Meter measures up to 1% CO<sub>2</sub> levels. Ideal for spot checking many locations. The perfect method to double wall mounted units and to evaluate those areas where a monitor is not installed. Can be used in any location.

### Uses

- Cold Chain Management
- Agricultural Production
- Transport
- Shipping
- Monitoring of office environments
- HVAC Systems
- Storage and Warehousing
- Agricultural Research
- Horticulture
- Greenhouse and Hydroponic Gardens

### Features and Benefits

- Displays CO<sub>2</sub> Level, Temperature and Humidity
- Reusable
- Robust
- No need for External Probes
- Cleanable
- Replaceable batteries
- Non-dispersive Infrared measurement
- Portable
- Single Unit
- On off switch
- Uses 4 x AA batteries
- Auto Off function

### How is it Used?

1. Turn On
2. Set Alarm Limits
3. Take readings

### Specifications

<b>Minimum CO<sub>2</sub></b>	0ppm	<b>Accuracy</b>	0.2% vol
<b>Maximum CO<sub>2</sub></b>	10,000ppm (1%)		
<b>Minimum Temperature</b>	-30°C	<b>Accuracy</b>	0.2°C @ 25°C
<b>Maximum Temperature</b>	60°C	<b>Resolution</b>	0.2°C or 0.1°C
<b>Minimum Humidity</b>	0%	<b>Accuracy</b>	+/-3%
<b>Maximum Humidity</b>	100%		
		<b>Size</b>	170mm x 70mm x 55mm
<b>Sample Rate</b>	20 seconds	<b>Auto Off</b>	Yes
<b>Housing Material</b>	Polycarbonate	<b>Guarantee</b>	1 year

# Why Monitor CO<sub>2</sub> levels?

There are legal limits to the level of carbon dioxide that you can expose people to.

A high level of carbon dioxide in a room indicates inadequate ventilation. This can cause headaches, fatigue, eye and throat irritation, increased heart rate, dizziness, fatigue, rapid breathing visual and hearing dysfunctions. 1000ppm should be used as an upper limit for all indoor areas. Exposure to higher levels may cause unconsciousness or death within minutes of the exposure



Percent	Parts per million (ppm)	Effect
0.036%	360	
0.06%	600	People notice the air is "stuffy."
0.1%	1000	Indicates inadequate ventilation. Complaints of fatigue, headaches and eye/throat irritation will be widespread. <b>Should be Upper Limit for Indoor Areas</b>
1%	10,000	Some people may begin to feel; shortness of breath, difficulty in breathing, rapid pulse rate, headaches, hearing loss, hyperventilation, sweating, and fatigue. Can cause drowsiness with prolonged exposure.



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