



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

The KeepAlert Desktop CO<sub>2</sub> meter is designed to measure CO<sub>2</sub> levels as well as temperature and humidity. The KeepAlert Desktop meter simply plugs into a power point. It then is ready to monitor the CO<sub>2</sub> level, Temperature and Humidity. The alarm sounds when the CO<sub>2</sub> level reaches preset values. This will ensure that you know when the room needs ventilation, to maintain peak performance. There is never a need to replace a battery.

### Uses

- Monitoring of office environments
- HVAC Systems
- Storage and Warehousing
- Agricultural Research
- Horticulture
- Greenhouse and Hydroponic Gardens

### Features and Benefits

- Automatic reading CO<sub>2</sub>, Temperature and Humidity
- Easy to read large display
- Displays current CO<sub>2</sub> Temperature and Humidity Level
- Visible and Audible CO<sub>2</sub> warning alarm
- Maximum and Minimal Recall Function
- Mains Power, no batteries needed
- Robust
- No need for External Probes
- NATA Certifiable
- Non-dispersive Infrared measurement
- Portable
- Single Unit.

### How is it Used?


1. Place the KeepAlert Desktop CO<sub>2</sub> meter into the area where data is to be measured
2. Plug the power chord into KeepAlert Desktop CO<sub>2</sub> meter and into a power socket
3. Set the alarm limits
4. Read back minimums and maximums.

<b>Specifications</b>			
<b>Minimum CO<sub>2</sub></b>	0ppm	<b>Accuracy</b>	0.2% vol
<b>Maximum CO<sub>2</sub></b>	10,000ppm		
<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>Sample Rate</b>	1 min to 255 min	<b>Size</b>	150mm x 80mm x 80mm
<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.

## Other OnSolution Products

**Thermocron Temperature and Temperature & Humidity Loggers**  
(ranges from -40°C to 140°C and 0%RH to 100%RH)

**Logtag Tag Temperature and Temperature & Humidity Loggers**  
(ranges from -80°C to 85°C and 0%RH to 100%RH)

**KeepAlert CO<sub>2</sub> Loggers and Monitors**  
(range from 0% to 30% CO<sub>2</sub> -2°C to 70°C and 5% to 95% RH)

**Glitterbug Handwashing Education Products**

**Clini-Sorb Super Absorbent Powder for Safe disposal of Liquid Spills**

Onsolution has a range of Temperature loggers, data loggers and food safety education material available. Visit our web site at [www.onsolution.com.au](http://www.onsolution.com.au) for further information.