OnSolution Pty Ltd. ABN: 36 093 811 271

OnSolution Pty Ltd
PO Box 1007 Ph: +61 2 9614 6417
Baulkham Hills Fax: +61 2 9614 6891
NSW 2153 sales@onsolution.com.au
Australia www.onsolution.com.au

KeepAlert Handheld CO_2 Meter

The KeepAlert Handheld CO_2 Meter is designed to measure CO_2 levels as well as temperature and humidity. The KeepAlert Handheld CO_2 Meter measures up to 10% CO_2 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_2 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			
Minimum CO_2	0ppm	**Accuracy**	0.2% vol
Maximum CO_2	100,000ppm (10%)		
Minimum Temperature	-30°C	**Accuracy**	0.2°C @ 25°C
Maximum Temperature	60°C	**Resolution**	0.2°C or 0.1°C
Minimum Humidity	0%	**Accuracy**	+/-3%
Maximum Humidity	100%		
		Size	170mm x 70mm x 55mm
Sample Rate	20 seconds	**Auto Off**	Yes
Housing Material	Polycarbonate	**Guarantee**	1 year

Why Monitor CO_2 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 ad eye/throat irritation will be widespread. Should be Upper Limit for Indoor Areas
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_2 Loggers and Monitors
(range from 0% to 30% CO_2 –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 for further information.

OnSolution Pty Ltd
PO Box 1007
Baulkham Hills
NSW 2153
Australia

Ph: +61 2 9614 6417
Fax: +61 2 9614 6891
sales@onsolution.com.au
www.onsolution.com.au