



Product may vary from picture.

- To ensure safety, please read this manual carefully before installation and follow the instructions herein.
- Store this manual in a secure place for future reference.
- WARNING: CHOKING HAZARD - Accessories contain small parts.
- This manual is printed by color ink; water will smudge.

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Getting Started32

Package Contents32

Features at a Glance32

Operating Instructions32

LCD Display42

Trend Chart Zoom54

Max/Min54

Auto Detect Day/Night54

Output Control54

LED Display65

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Main Menu Functions.....	65	Specifications.....	76
Getting Started	2	Max/Min.....	4
Package Contents	2	Output Control	4
Features at a Glance	2	LED Display	4
Operating Instructions	2	Main Menu Functions.....	4
LCD Display	2	Specifications.....	5
Trend Chart Zoom.....	3		

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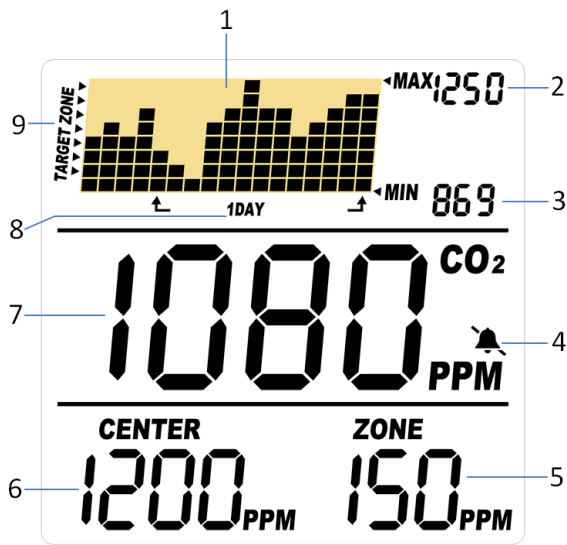
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LCD Display



- 1. CO₂ Chart
- 2. Max Reading of Chart
- 3. Min Reading of Chart
- 4. Audible Alarm On/Off
- 5. CO₂ Zone value
- 6. CO₂ Center value
- 7. CO₂ Reading
- 8. Zoom Level of Time – indicates the chart's span of time
- 9. Target Zone Indicator

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CO₂ , Set center, Set zone Readings
The device has three built-in main parameters: ambient carbon dioxide(7), Set Center value (6), and Set Zone value(5). They are constantly displayed on screen.

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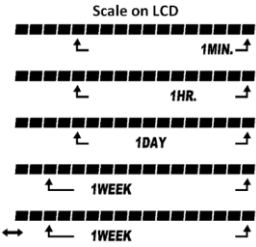
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Trend Chart Zoom

Below is a table that show the available Zoom Levels for all parameters
CO₂/Temp/RH, as well as the duration of each division for corresponding Zoom Levels:

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Zoom Level (Time Span) (815)	Time Per Division (13)
1m (minute)	5sec /div
1h (hour)	5m/div
1d (day)	2h/div
1w (week)	0.5d/div
Auto Cycle Zoom	Cycle



Using **DOWN** will toggle the available Zoom Levels for each parameters. Note that in addition to the Zoom Levels for each parameter, there is an option that will automatically cycle between the Zoom Levels. This can be achieved just by pressing **DOWN** until icon(8) appears at the bottom left of the chart.

Max/Min

At the top right corner of the display, there are two numerical indicators: Max (2)and Min (3). As the Zoom Level is changed, the Max and Min values will reflect the maximum and minimum values on the chart of the selected parameter. At startup, the unit will automatically display values for 1d (day) value.

Auto Detect Day/Night

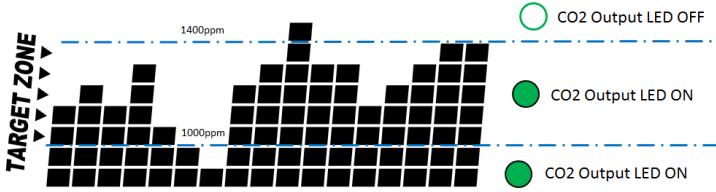
The Bbuilt-in Photo-Cell sensor can automatically detect whether it is Day orand Night., it can overrides the CO₂ control and shuts off the CO₂ generator by turning off the output power during the darknight hours, while Conversely, if the Photo-Cell detectedsed light timelight, and the CO₂ level is low, the device will start the open-CO₂ generator by turning on output power.

Output Control

Output power is onen when CO₂ concentration is over Set Center+(1/2) Set zone, and off when CO₂ concentration is below Set Center-(1/2) Set zone. For example, if the Set Center is 1200ppm, and the Set zone is 400ppm, the output power will shut off when CO₂ over 1200+(1/2)*(400)=1400ppm, and power on when CO₂ below 1200-(1/2)*(400)=1000ppm.

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LED Display



Main Menu Functions

The Main Menu functions can be toggled through by using **MENU**. If the main menu is not selected, the menu LED will remain off, leaving the **UP** buttons to toggle Zoom Levels, respectively.

- ▶ **S1 Set Center**
- ▶ **S2 Set Zone (Deadband)**
- ▶ **S3 Home (for General Plant)**
- ▶ **S4 Re-Calibrate**
- ▶ **S5 Advance Setting**

Pressing **MENU** once will bring up the menu LED, with flashing before the current choice.

To select the function, press **ENTER** when menu selection LED flashing. Note that after 1 minute if nothing is pressed, the Main Menu LED will off and the device will revert to the normal state.

HOLD HOME

To revert to start up settings at any point, hold **ENTER** for 3 sec until an audible beep. The device will revert to Home Setting, as if the power was reset, displaying "Back Home done." Note that this is not the same as Restore to factory settings.

Below is a table showing what main menu selection is made by pressing **MENU** multiple times as well as their functions. Note that the device will display "Done," followed by the confirmed selection if selected correctly.

Function	Directions
S1 Set Center	By default , the Set Center value is 1200ppm for general plant, Once Set Center is selected (by pressing ENTER), use either UP or DOWN to toggle the center value. Press ENTER one more time to confirm.
S2 Set Zone(Deadband)	This function allows the user to setting Zone(Deadband). Once selected, Use UP and DOWN to toggle to the set zone value. Press ENTER to confirm. Note that the default value of set zone is 400ppm.
	This function for Home plant(General plant), Once selected, the Set

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S3 Home(For General Plant)	Center value is fixed 1200ppm, and Set Zone value is fixed 400ppm.
S4 Re-Calibrate	Use this function to calibrate your device with outside atmospheric CO ₂ level ~ 400ppm. Select this mode, hold [ENTER] for 3 seconds until a beep and the chart will read "Calibrating", then place the device outside for 20min. To escape, press [MENU] . Make sure the device is far from a source of CO ₂ , not in direct sunlight, and not exposed to water.
S5 Advance Setting	This function toggles between 3 things when selected: changing the alarm function for buzzer beep or Altitude setting or <u>Restore</u> factory setting. Restore factory setting will reset the device to factory settings and erase all stored data in the chart. To use <u>Restore</u> mode, hold [ENTER] for 3 seconds until an audible beep.

Specifications

Typical test conditions, unless otherwise specified: Ambient Temp = 23+/-3°C, RH=50%-70%, Altitude=0~100 meter

Measurement	Spec
Operating Temperature	32°F to 122°F (0°C to 50°C)
Storage Temperature	-4°F to 140°F (-20°C to 60°C)
Operating & Storage RH	0-95%, non-condensing
CO ₂ Measurement	
Accuracy at 0~3000ppm	±50ppm or ±5% of reading, whichever is greater
Accuracy over 3000ppm	±7%
Repeatability	20ppm at 400ppm (standard dev. of 10 readings in 1 minute)
Measurement Range	0-5000ppm
Display Resolution	1ppm (0-1000); 5ppm (1000-2000); 10ppm (>2000)
Temp Dependence	±0.2% of reading per °C or ±2ppm per °C, whichever is greater, referenced to 25°C
Pressure Dependence	0.13% of reading per mmHg (corrected by user's altitude input)
Response Time	<2min for 63% of step change or <4.6min for 90% step change
Warm-up Time	<30 sec
Power input	AC 100 ~ 240 VAC
Dimension	Sensor Unit: 153*33*27mm (6.0*1.3*1.1inch) Control Unit: 195*145*44mm195 (7.7*5.7*1.7inch)
Weight	700g (24.7oz)

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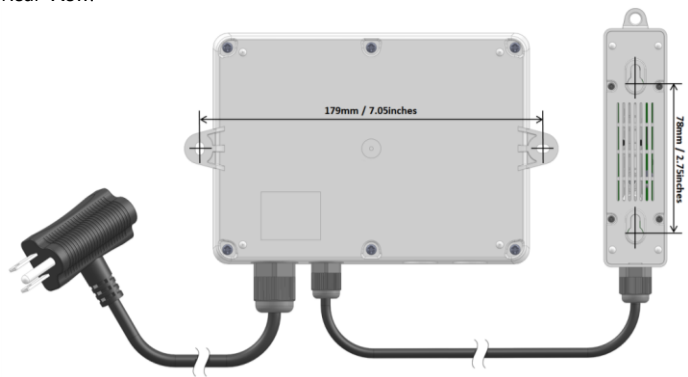
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Rear View:



Disclaimers:

This device is not intended for workplace hazard CO₂ monitoring, nor intended as a definitive monitor for human or animal health institutions, life sustenance, or any medical-related situation.

iCeeO₂ and the manufacturer assumes no responsibility for any damage or loss suffered by the user or any third party arising through the use of this product or its malfunction.

iCeeO₂ reserve the right to change the specifications without notice.

Note:

Recommended Battery capacity: larger or equal to 4000mAh (3000mAh still will work, with reduced battery life)

Recommend battery size: smaller than 101x60x22mm / 4.0x2.4x0.87inch. A larger battery still will work, but will not easy to fit in.

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