

## Carbon Dioxide Monitor & Controller for Plant & Human 7530



7530

- Accurate and long life time NDIR CO<sub>2</sub> measuring
- External CO<sub>2</sub> sensor to be used in closed space
- Display real time CO<sub>2</sub> value
- Display CO<sub>2</sub> chart with variable time zoom levels
- Max. /Min. recall function
- Programmable CO<sub>2</sub> zone value & CO<sub>2</sub> center value to control relay power on and off
- Audible alarm warns CO<sub>2</sub> concentration
- Target zone indicator
- Built-in Day/Night auto detection to override CO<sub>2</sub> control
- Monitoring & Controlling CO<sub>2</sub> value in Green house, residential and commercial building



Metric/Imperial



MAX/MIN



LED Alarm



Relay



Buzzer Alarm



Backlight



4 different plug and socket



AZ (USA)



AZE (EU Schuko)



AZF (EU France)



AZU (UK)

### Ordering Code

VZ7530AZ, CO<sub>2</sub> controller in USA plug  
 VZ7530AZE, CO<sub>2</sub> controller in EU plug  
 VZ7530AZF, CO<sub>2</sub> controller in France plug  
 VZ7530AZU, CO<sub>2</sub> controller in UK plug  
 VZ7530AZP3, CO<sub>2</sub> replacement probe  
 ...We can custom made more to meet your local regulation. Please contact us.  
 \*Available for EB project

Model	7530
<b>Measuring range</b>	
CO <sub>2</sub>	0~5000 ppm
Resolution	1ppm (0-1000); 5ppm (1000-2000); 10ppm (>2000)
<b>Accuracy</b>	
CO <sub>2</sub> below 3000ppm	±50ppm or ±5% of reading, whichever is greater
CO <sub>2</sub> above 3000ppm	±7% of reading
Warm-up time	30 seconds
<b>Response time</b>	
CO <sub>2</sub>	<30 seconds for 90% of step change
LCD size	47 x 104 mm
Meter size	158 x 106 x 50 mm
Sensor size	124 x 33 x 26 mm ; Cable length: 4.5 meters
Operating condition	0~50°C , 5~95% RH (avoid condensation)
Storage condition	-20~ 60°C, 5~95%RH(avoid condensation)
Power supply	AC100~240VAC
Piggyback socket load	5A@250VAC; 10A@120VAC
Weight	700g
Standard package	Sensor unit, monitor & controller unit, manual, screws

### Application:

**For green house**, highly accurate digital CO<sub>2</sub> controller measures the carbon dioxide level in the grow room and automatically turns off the CO<sub>2</sub> device to accurately keep the carbon dioxide PPM at the desired level

**For human use**, measure the carbon dioxide level in closed space and automatically turns on/off ventilation system to get good air quality



### Plant mode

Relay ON while CO<sub>2</sub> is too low



### Human mode

Relay ON while CO<sub>2</sub> is too high

