Monitor CO2 to ensure Indoor Air Quality
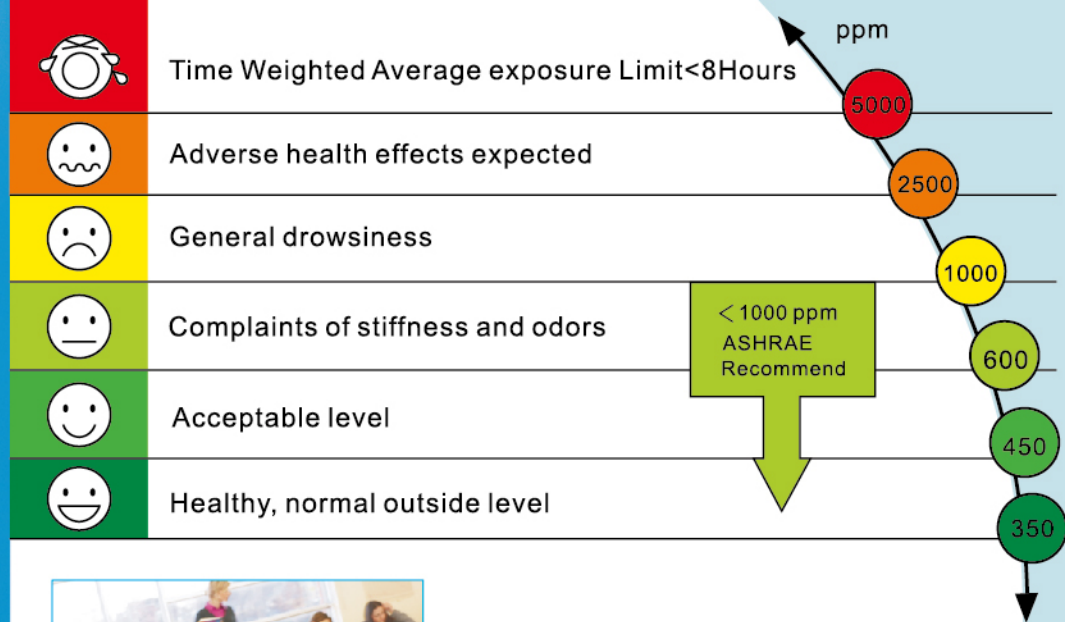
Wall Mount CO2 Monitor
Use in indoors or relay to HVAC system
for Energy Saving

- Dual Beam NDIR (Non-Dispersive-Infrared) technology used to measure CO_2 concentration
- 3 LED displays show the current status of Indoor Air Quality
- Measure CO2, Ventilation Rate
- Adjustable Visual and Audible Alarm Funtion
- Voltage(0~10V) ,Current Loop and Relay output
- Reliable Sensor provides long-term calibration stability

		ppm
Time Weighted Average exposure Limit<8Hours		5000
Adverse health effects expected		2500
General drowsiness		1000
Complaints of stiffness and odors	< 1000 ppm ASHRAE Recommend	600
Acceptable level		450
Healthy, normal outside level		350

CO₂ ◗ PPM
975
Vent Rate clm/p
18.4
ZyAura ZGw08

Wall mount

ZGw08VRC series

School/ Office

Home

Restaurant/ Movie theater

Hypermarket/ Shopping mall

ZyAura
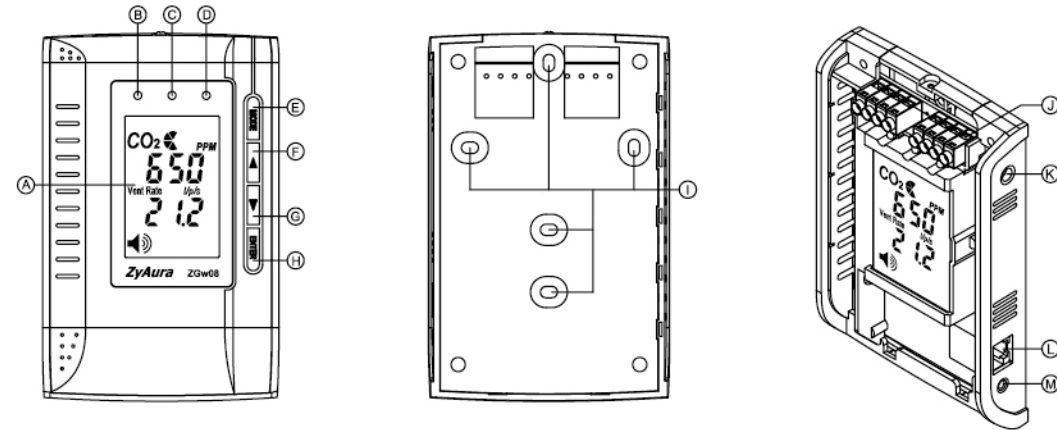Monitor the invisible

ZGw08VRC:

Wall mount CO$_2$ monitor

- **Dual Beam NDIR (Non-Dispersive-Infrared) technology used to measure CO2 concentration.**
- **3 LED display the current status of Indoor Air Quality**
  - ◯ **< 800ppm**   ◯ **800~1200ppm**   ◯ **> 1200ppm**
- **Adjustable Visual and Audible Alarm Funtion**
- **Voltage(0~10V) ,Current Loop and Relay output**
- **Reliable Sensor provides long-term calibration stability**
- **Mounting bracket with terminal block provides quick and easy installation**

Specifications

- **Method - Dual Beam NDIR**
- **Sample Method -Diffusion or flow through (50 ~200 ml/min)**

■ Performance- CO2

Measurement Range	0 ~ 3,000ppm
Resolution	1ppm at 0~1,000ppm; 10ppm at 1,001~3,000ppm
Accuracy	±75 ppm or ±5% of reading whichever is greater
Repeatability	±20 ppm @400ppm
Temperature Dependence	±0.2% of reading per °C or ±2 ppm per °C, whichever is greater, referenced to 25°C
Pressure Dependence	0.13% of reading per mm Hg (Corrected via user input for altitude)
Response Time	<2min for 90% of step change
Warm-Up Time	<60 seconds at 22°C
Zone LED Display	Green:<800ppm; Yellow:800~1200ppm; Red: >1200ppm (adjustable)

■ Outputs

Relay Output
30VDC or 250VAC, max 2A ., SPST. Normal Open

RS232 (Baud Rate 19200)

Linear Voltage Output	0 ~ 10VDC
Linear Current Loop Output	4 ~ 20mA (Max Load is 500 Ohm)

(Max Load is 400 Ohm while power supply<20VDC)

■ Power Supply Type

18~26VAC or 18~36VDC

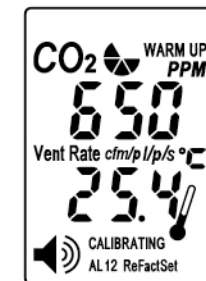### ■ General Operating Conditions

Operating Temperature : 0 ~ 50°C (32 ~ 122°F)

Operating Humidity Range : 0 ~ 95% RH non-condensing

Storage Temperature : -20 ~ 60°C(-4 ~ 140°F)

Specifications are subject to change without notice

A. Main LCD Display	**H. Enter Button**
B. Green LED Display	**I. Screw Position**
C. Yellow LED Display	**J. Terminal Block**
D. Red LED Display	**K. Power Inlet (6VDC)**
E. Mode Button	**L. RJ45 Socket ,including the RS232. and analogue output**
F. Up Button	
G. Down Button	**M. Gas Entry Hole**

（Display Features and Modes）

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