

Monitor CO2 to ensure Indoor Air Quality

Wall Mount CO2 Monitor

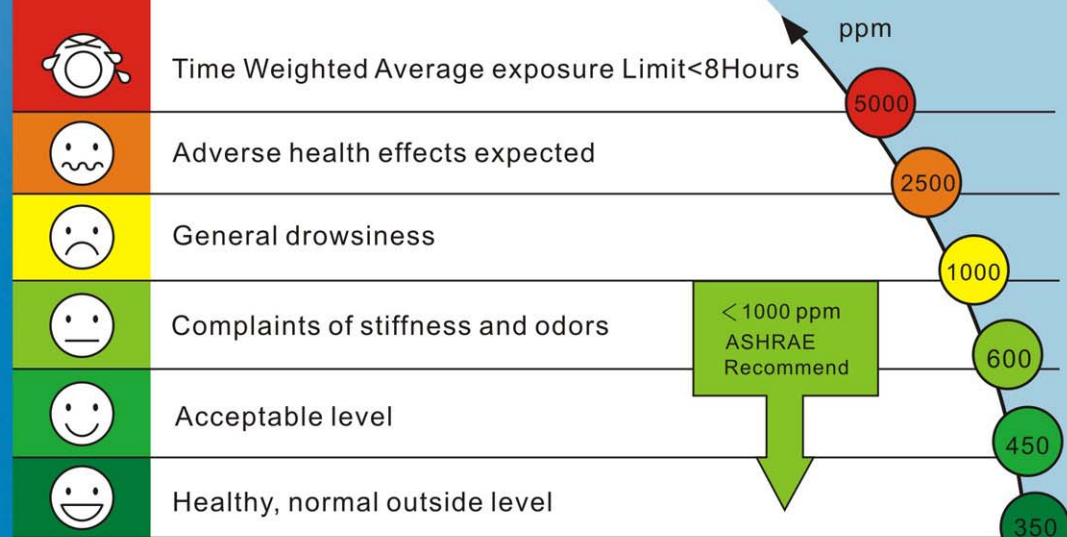
Use in indoors or relay to HVAC system for Energy Saving

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



Wall mount

ZGw08VRC series



School/ Office



Home



Restaurant/
Movie theater



Hypermarket/
Shopping mall

ZyAura
Monitor the invisible

ZGw08VRC:

Wall mount CO₂ monitor

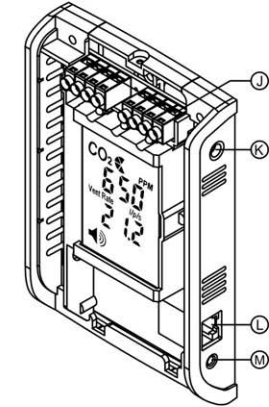
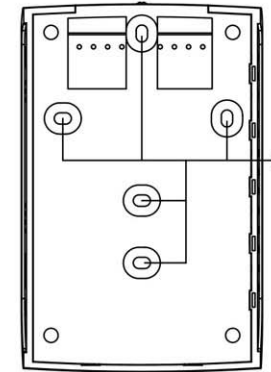
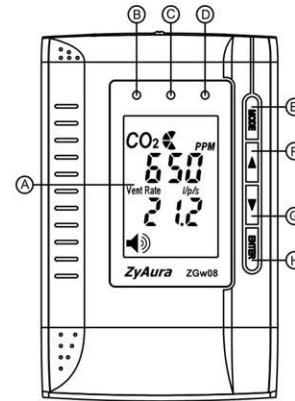
- Dual Beam NDIR (Non-Dispersive-Infrared) technology used to measure CO₂ concentration.
- 3 LED display the current status of Indoor Air Quality
 - < 800ppm
 - 800~1200ppm
 - > 1200ppm
- Adjustable Visual and Audible Alarm Function
- Voltage(0~10V) ,Current Loop and Relay output
- Reliable Sensor provides 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

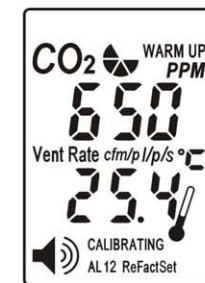
Operating Temperature : 0 ~ 50°C (32 ~ 122°F)

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	M. Gas Entry Hole
G. Down Button	



(Display Features and Modes)

INNOVATION
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