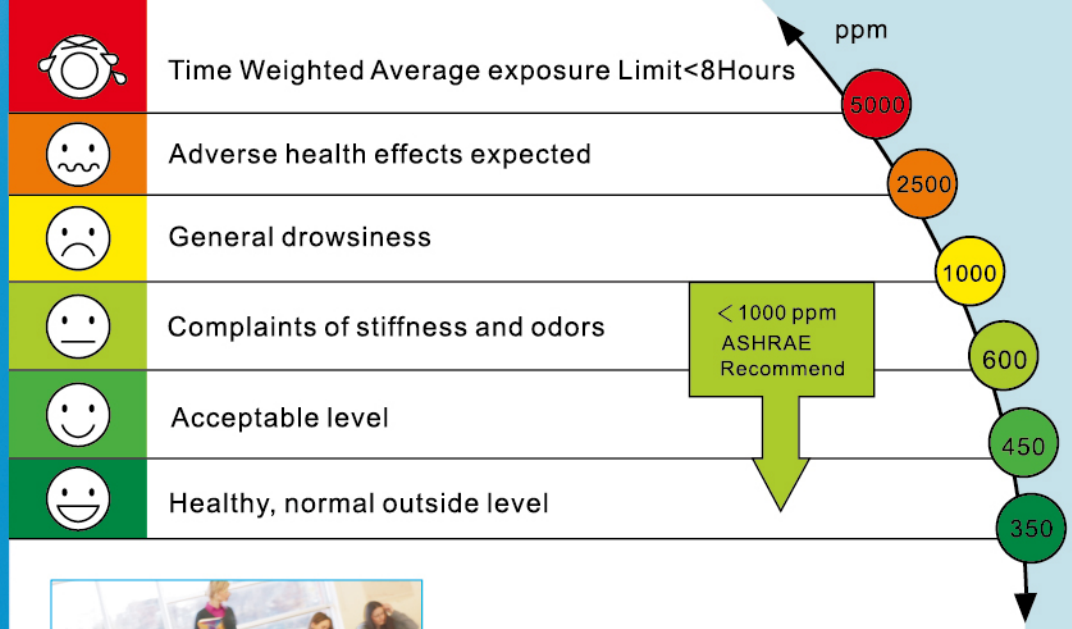
Monitor CO2 to Ensure Indoor Air Quality

Wall Mount CO_2 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 different LED displays show the current Indoor Air Quality situation
- Measure CO_2, temperature and the relative humidity
- Reliable Sensor provides long-term calibration stability
- Visual and audible alarm function can be adjusted by the user



School/ Office

Home

Restaurant/
Movie theater

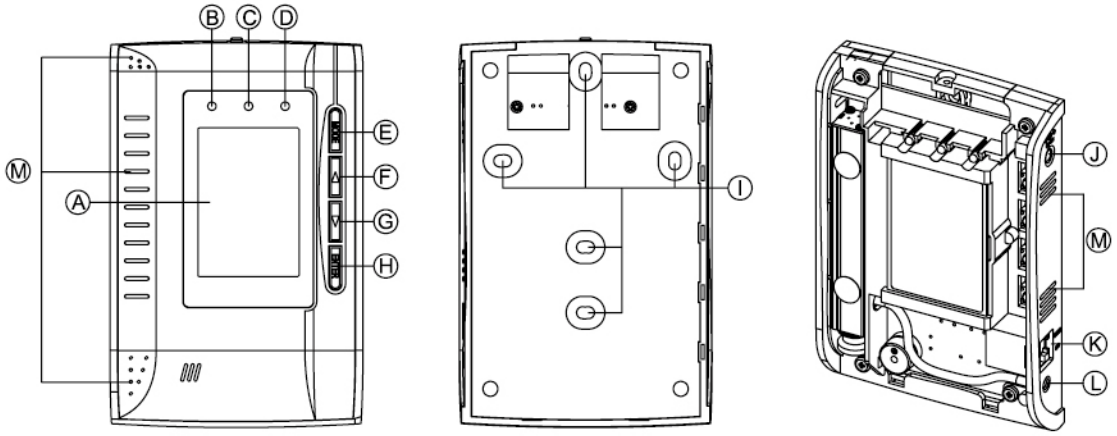
Hypermarket/
Shopping
mall

ZyAura
Monitor the invisible

ZGw063RY:

Wall mount CO_2 monitor

- Dual Beam NDIR (Non-Dispersive-Infrared) technology used to measure CO_2 concentration
- 3 different LED displays show the current Indoor Air Quality situation
  - < 800ppm 800~1200ppm > 1200ppm
- Reliable Sensor provides long-term calibration stability
- Visual and audible alarm function can be adjusted by the user
- Independent CO_2, Temperature readings and RH



A. Main LCD Display	G. Down Button
B. Green LED Display	H. Enter Button
C. Yellow LED Display	I. Screw Position
D. Red LED Display	J. Power Inlet
E. Mode Button	K. RJ 45 Socket (For factory use only)
F. Up Button	L. Gas Entry Hole
M. Ventilation Slots	

Specifications

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

Performance- CO_2

Meas. Range	0 ~ 3,000ppm
Resolution	1ppm at 0~1,000ppm; 5ppm at 1,001~2,000ppm; 10ppm at 2,001~3,000ppm
Accuracy	0~2,000ppm, ± 70 ppm or ±5% of reading whichever is greater; over 2000ppm: ±7%
Repeatability	±20 ppm @400ppm
Temperature Dependence	Typ. ±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	about 2min for 90% of step change
Warm-Up Time	about 60 seconds at 22°C
Zone LED Display	Green:<800ppm; Yellow:800~1200ppm; Red: >1200ppm (adjustable)
Power Supply	6VDC AC adapter

Outputs

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

Temperature specification

Temperature Range	Display 0°C to 50°C(32°F to 122°F)
Display Resolution	0.1°C(0.1°F)
Display Options	°C/°F
Accuracy Relay no action and CO_2 be under the alarm level)	±1°C(±2°F) when the fan blows to the device directly, the accuracy of temperature is ±1.5 °C
Accuracy Relay action and CO_2 exceeds the alarm level	±2.5°C(±4.5°F) when the fan blows to the device directly, the accuracy of temperature is ±1.5 °C
Response Time	20-30 minutes (case must equalize with environment)

General Operating Conditions

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

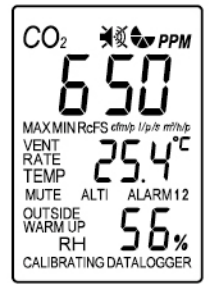
Operating Humidity Range : 0 ~ 95% RH non-condensing

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

RH Specification

Measurement Range	20%-90% RH
Display Resolution	1% RH
Accuracy	±5%RH@23°C
Response Time	<5 min for 63% of step change

Specifications are subject to change without notice



(Display Features and Modes)

ZyAura
Monitor the invisible

1F, No.3, Industrial E. 9th Rd., Science-Based Industrial Park, HsinChu, Taiwan 300,
TEL:+886-3-6111666 or 5644185 FAX:+886-3-5644170
www.ZyAura.com E-mail:Info@ZyAura.com
www.ZyTemp.com E-mail:Info234@ZyTemp.com
www.radiantek.com.tw E-mail:MKT@radiantek.com.tw