

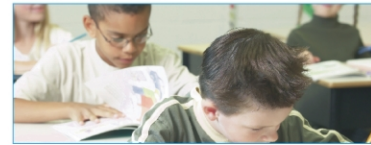
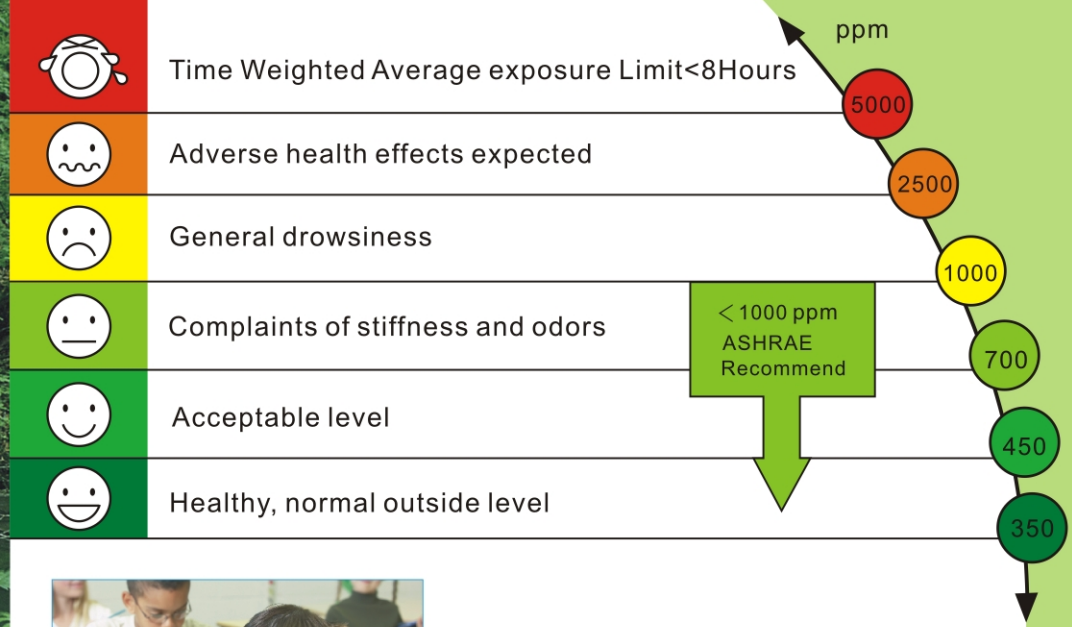
Monitoring CO₂ to ensure Indoor Air Quality

CO₂ and Temperature Monitor

- Cost – effective CO₂ monitors made with IR-SOC technology
- NDIR technology to improve the long term stability
- The Alarm mode will sound at 1000 PPM or adjust the Alarm level
- Built-in datalogger to record CO₂ and Temperature in the past 24 hours
- Several Modes for adjusting the setting parameters
- Compact, portable, accurate desktop CO₂ Monitor



ZG116 series



School/ Office



Home



Restaurant/
Movie theater



Hypermarket/
Shopping mall



Fitness center

ZG116 series:

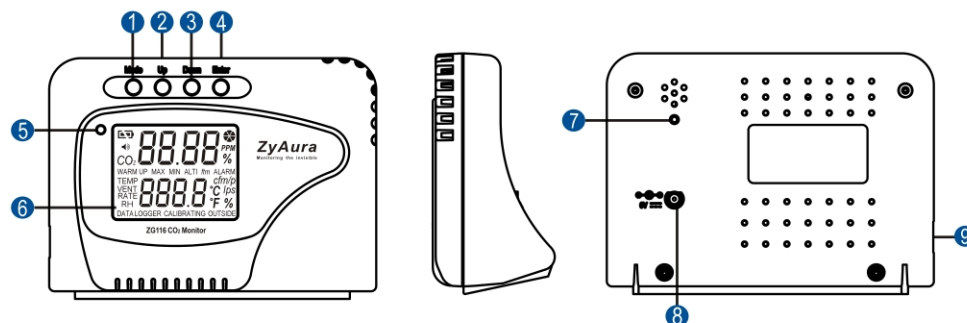
- NDIR (Non-Dispersive-Infrared) technology used to measure CO2 concentration.
- Independent CO2 and Temperature readings
- Calculates and Displays Ventilation Rates
- Sample Method - Diffusion or flow through (50 ~200 ml/min)

Specifications

- Buzzer Alarm : 70dB@10 cm

■ Performance- CO2

Measurement Range	ZG116 0 ~ 3,000ppm	ZG116-M 0 ~ 10,000ppm
Resolution	1ppm at 0~1,000ppm; 5ppm at 1,000~2,000ppm; 10ppm at 2,000~3,000ppm	1ppm at 0~1,000ppm; 5ppm at 1,001~2,000ppm; 10ppm at 2,001~4,000ppm, 20ppm at 4,001~6,000ppm, 40ppm at 6,001~10,000ppm
Accuracy	0~2,000ppm: ±70 ppm or ±5% of reading, whichever is greater ; over 2000ppm: +/-7%	
Repeatability	±20 ppm	
Temperature Dependence	±0.1% 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 63% of step change	
Warm-Up Time	<60 seconds at 22°C	



1. Enter Button	6. LCD display
2. Down Button	7. Gas Entry Hole
3. Up Button	8. Power inlet
4. Mode Button	9. RJ45 socket (only for factory use)
5. Alarm LED	

■ Temperature

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

Display Resolution : 0.1°C (0.1°F)

Display Options : °C/°F

Accuracy : ±1°C (±2°F) When the fan blows to the device directly, the accuracy of temperature is + / -1.5 degC

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

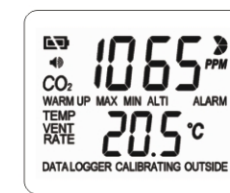
Storage Temperature : -20 ~ 60°C (-4 ~ 140°F)

■ Power Supply Type

Power Supply : 6 VDC from external AC/DC adapter which is included in package (Use specified AC adapter only)

DC Output voltage : 6 VDC

AC Input voltage & Frequency : 100 ~ 240 VAC 50 / 60 Hz



(Display Features and Modes)

ZyAura
Monitoring the invisible

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