

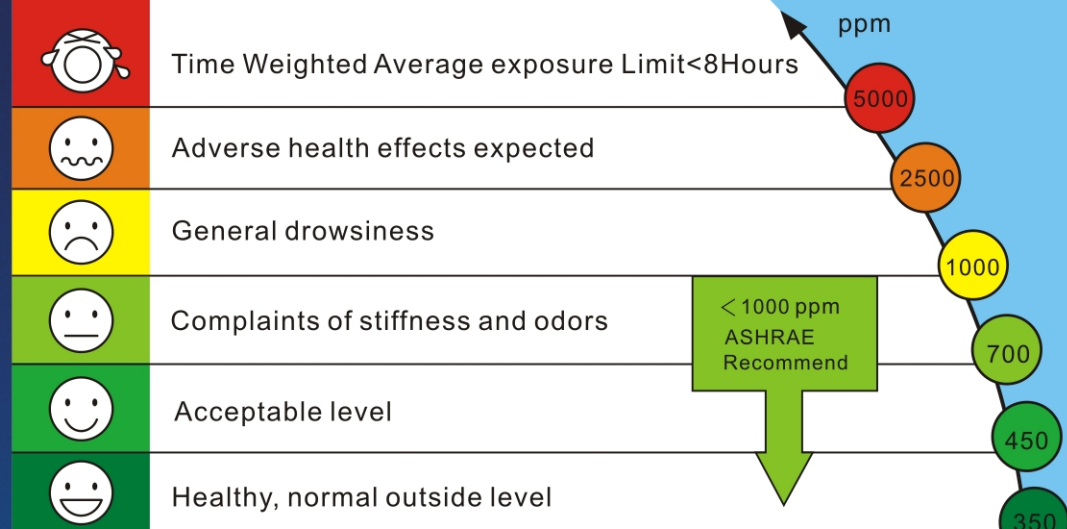
Monitoring CO2 to ensure Indoor Air Quality

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
- Several Modes for adjusting the setting parameters
- Portable, accurate handheld CO2 Monitor



ZG106 SERIES



Station / Exhibition



Shopping mall



School / Office



Metro / Bus / Train



Restaurant
Home

ZG106 is a portable, accurate handheld CO₂ Monitor, which can be put on desktop also, to measure the CO₂ concentration and ambient temperature. It used NDIR technology to improve the long term stability. Build-in several modes help you understand ambient air quality.

Specifications

Method - NDIR

Display - LCD

Independent CO₂ and Temperature readings.

Calculates and Displays Ventilation Rates

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

■ Performance-CO₂ Channel

	ZG 106	ZG 106A-M
Measurement Range	0~3,000ppm	0~10,000ppm
Resolution	1ppm at 0~1,000ppm 5ppm at 1,001~2,000ppm 10ppm at 2,001~3,000ppm	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 : ±50 ppm or ±5% of reading

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 attitude)

Response Time : <2min for 63% of step change

Warm-Up Time : <60 seconds at 22°C

Response Time : <2min for 63% of step change

■ Performance - Temperature Channel

Temperature Range : Display 32 to 122°F (0 to 50°C)

Display Resolution : 0.1°F (0.1°C)

Display Options: °F/°C or Off. Set With Up / Down button

Accuracy : ±2°F (±1°C)

Response Time : 20-30 minutes (case must equilibrate with environment)

Calibration Interval : 12 months

■ Outputs

OC: Normally Low, 100mA max. @24VDC. Adjustable set point,
factory setting is 1000ppm, hysteresis is 50ppm

One RJ-45 Connector digital output in RII protocol.

One Graphing Software ZyAura® View(Under developing)

■ Power Supply Battery Type

Two power supply types

Battery type: Alkaline, AA* 4 (80 hours)

External: 6 VDC from external AC/DC adapter

which is included in package(Use specified AC adapter only)

Power Requirement

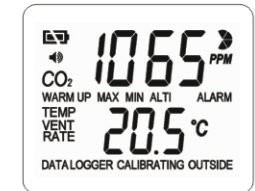
160 mA Peak, 15 mA average from 6V

■ General Operating Conditions

Operating Temperature : 32-122°F (0-50°C) 0-95%RH, non-condensing

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

Specifications are subject to change without notice



(Display Features and Modes)



1. Power Button	8. Function Label
2. Enter Button	9. Gas Entry Hole
3. Down Button	10. Power inlet
4. Up Button	11. RJ45 socket
5. Mode Button	12. Housing Stand
6. LCD Display	13. Battery Cover
7. LED Light	14. AA Batteries*4

ZyAura
Monitoring the invisible

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