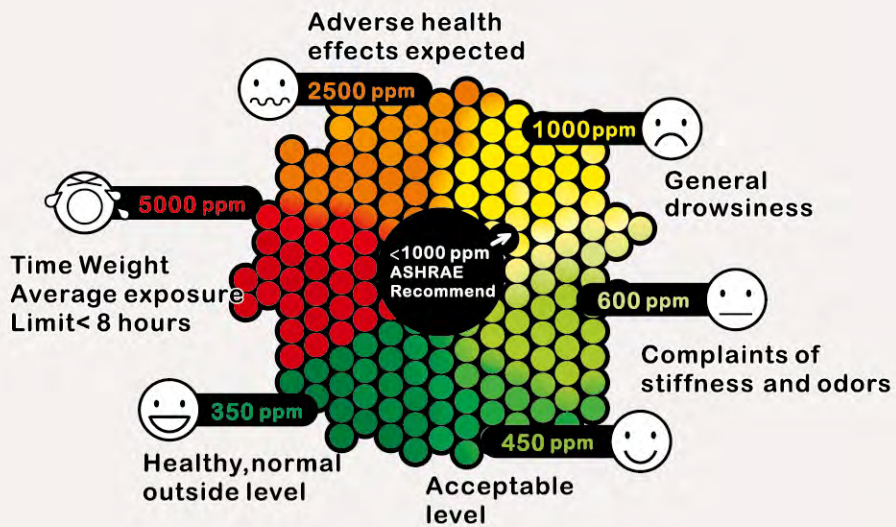




CO₂
MONITOR

ZyAura
Monitor the invisible



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CO2 Module

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Model No.	CO2(ppm)	O2	Temp.	RH	Vent. Rate	Output
ZGm27	0 ~ 9,999		✓	✓		
ZGm053U	0 ~ 3,000		✓			
ZG390C	0 ~ 5,000		✓	✓		
ZG1583RUD	0 ~ 3,000		✓	✓		
ZG1683R(U)	0 ~ 3,000		✓	✓		
ZG106(R)	0 ~ 3,000		✓	△		
ZG106A-M	0 ~ 10,000		✓			
ZGW01	0 ~ 3,000		△	△		
ZGw08VRC	0 ~ 3,000		✓		✓	✓
ZGw063RY	0 ~ 3,000		✓	✓	✓	✓
ZGw19C	0 ~ 3,000		✓	✓		✓
ZGa21enc	0 ~ 50,000	✓	✓			✓
ZG10U	0 ~ 50,000		✓			✓
ZGh213	0 ~ 10,000		✓			✓
ZGkb	0 ~ 3,000		✓	✓		
ZG9	0 ~ 9,999 (5,001~9,999 ppm over range)		✓	✓		✓
ZG09	0 ~ 10,000		✓			✓

✓:YES △:optional

Specifications are subject to change without notice.

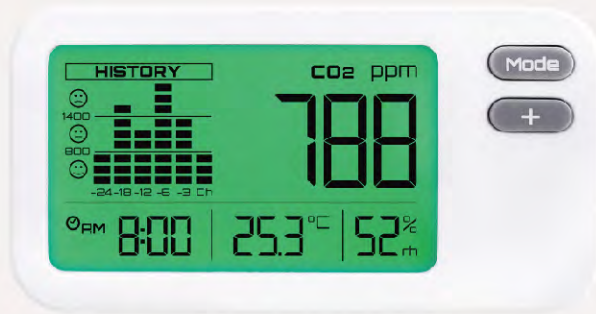
ZGm27

ZGm053U

Mini 3 in 1 CO2 Monitor

CO2 Temp. RH

3 IN 1
CO2+Temp.+RH



3-Color Backlight



3 Emotions

- 😊 < 800 ppm
- 😐 800~1400 ppm
- 😞 > 1400 ppm

Mini Desktop CO2 Monitor

Monitor CO2 to ensure Indoor Air Quality

Compact Size



● < 800 ppm ● 800~1200 ppm ● > 1200 ppm



- Dual Beam NDIR(Non-Dispersive-Infrared) technology is used to measure CO2 concentration
- The Large LCD clearly displays the CO2
- 3-color backlight (green / yellow / red) gradually changes color with CO2
- 7-color backlight for options : white→ turquoise→ blue→ purple→ red→ yellow→ green
- "HISTORY" with 3 emotions indicates the status of CO2
- "ECO" saving power function darkens the LCD backlight during the period from 22:00 pm to 6:00am.

- Dual Beam NDIR technology is used to measure CO2 concentration
- Measure CO2, temperature
- 3 LED display shows the current Indoor Air Quality
- Communication interface: Windows XP, Windows 7



Power Supply

USB or 5 VDC from external AC/DC adapter



Power Supply

USB or 5 VDC from external AC/DC adapter

ZG390C

Desktop CO2 Monitor

CO2 Temp. RH THi



THi Temperature-Humidity Index



≤74 Comfortable



74.1~79.9 Acceptable



≥80 Uncomfortable

CO2 ppm ≤800 801~1200 >1200
 THi ≤74 74.1~79.9 ≥80

- IAQ / HVAC applications
- Measurement target: CO2, THi (Temperature-Humidity Index), Temperature, RH
- Dual beam NDIR technology is used to measure CO2 concentration up to 5,000ppm
- Temperature-Humidity Index(THi) indicates comfort conditions with the indoor environment
- 3 LED displays indicate the status of CO2 / THi
- Built-in Real Time Clock (RTC) & Micro SD Card
- 8 Days Background Calibration (8BC)



Power Supply
 USB or 5 VDC from external AC/DC adapter

ZG1583RUD · ZG1683R(U)

Desktop CO2 Monitor

Monitor CO2 to ensure Indoor Air Quality



ZG1583RUD

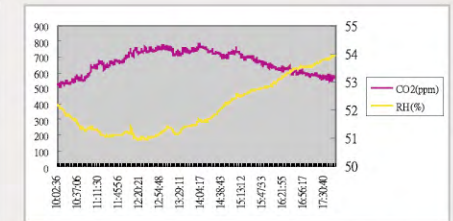
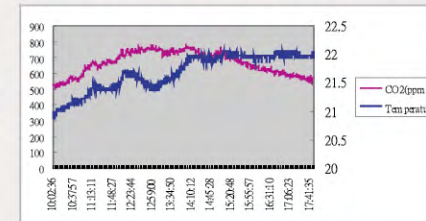


ZG1683R(U)

3 IN 1
CO2+Temp.+RH



Connect to PC with data log function



Please download ZyAura USB PC software <https://www.zyaura.com/support/software/>



● <800 ppm ● 800~1200 ppm ● >1200 ppm

- Dual Beam NDIR technology improve the long term stability
- 3 in 1 CO2 Monitor (CO2+Temp.+RH)
- 3 LED display shows the current Indoor Air Quality
- Press "Mute" for alarm on/off
- Built in the LCD backlight for easy reading in the dark
- Datalog Function: Connect to PC \ Micro SD Card (ZG1583RUD)



Power Supply

USB or 5 VDC from external AC/DC adapter

Desktop CO2 Monitor

Monitor CO2 to ensure Indoor Air Quality

3 IN 1
CO2+Temp.+RH



ZG106R



Mini 3 In 1 CO2 Monitor

CO2 RH Temp.

3 IN 1
CO2+Temp.+RH



Magnet Base

Normal IAQ	● <800 ppm	● 800~1400 ppm	● >1400 ppm
Wide Range	● <800 ppm	● 800~3000 ppm	● >3000 ppm

- Cost-effective CO2 monitors made with IR-SOC technology
- Dual Beam NDIR technology improve the long term stability
- Measure CO2, Temperature and RH (ZG106R)
- Several Modes for adjusting the setting parameters
- The Alarm mode will sound at 1000 ppm or adjust the alarm level
- Desktop or portable, with batteries AA*4pcs

- Dual beam NDIR technology is used to measure CO2 concentration up to 9,999 ppm
- Automatic background calibration
- Large LCD clearly displays the CO2 concentration, Temp.(option) and RH(option)
- 3-Color LED light (Green / Yellow / Red) gradually changes with CO2 concentration
- Two indoor air quality settings including "Normal IAQ" and "Wide Range"
- Desktop / Portable / Wall Mounted multipurpose design

LCD Auto-Switch Display



Power Supply
USB or 5 VDC from external AC/DC adapter



ZGw08VRC · ZGw063RY

ZGw19C

Wall Mount CO2 Monitor

Use in Indoors or relay to HVAC system for Energy Saving



ZGw08VRC



ZGw063RY

● <800 ppm ● 800~1200 ppm ● >1200 ppm

- Dual Beam NDIR technology is used to measure CO2 concentration
- 3 LED display shows the current Indoor Air Quality situation
- Measure CO2, Ventilation Rate (ZGw08VRC)
- Measure CO2, Temperature, Ventilation Rate and RH (ZGw063RY)
- Adjustable Visual and Audible Alarm Function. Relay Output, with Hysteresis
- Analog Output: 0~10V, 4~20mA and Digital Output: RS232 (ZGw08VRC)
- Reliable Sensor provides long-term calibration stability

Wall Mount CO2 Monitor

HVAC Mode GreenHouse Mode



HVAC mode ● <800 ppm ● 800~1200 ppm ● ≥1200 ppm
 GreenHouse mode ● >1000 ppm ● 600~1000 ppm ● ≤600 ppm

- Dual Beam NDIR technology is used to measure CO2 concentration
- 3 LED display shows the current Indoor Air Quality situation (HVAC / GreenHouse Mode)
- Linear analog output (0~10V Voltage, 4~20mA Current) and Relay output based on CO2 Level
- Reliable Sensor provides long-term calibration stability
- The visual and audible alarm function can be adjustable

Wall Mount CO₂ O₂ Monitor

Ensure the Safety of Storage Areas



● Power ● AL1 ● AL2 ● Fault (FLT)

Wall Mount CO₂ Monitor

Ensure the Safety of Storage Areas



● Power ● AL1 ● AL2 ● Fault (FLT)

- Dual Beam NDIR technology is used to measure CO₂ concentration up to 50,000 ppm and electrochemical technology to measure O₂ concentration up to 30%
- With the SEU (Sensor Unit) and RDU (Remote Display Unit) it can connect up to 3 RDU for safety notices (Daisy Chain Connection)
- Relay output can automatically control fans to ventilate confined spaces
- IP54 Water Proof Protection of SEU (Sensor Unit)

- Dual Beam NDIR technology is used to measure CO₂ concentration up to 50,000 ppm
- With the SEU (Sensor Unit) and RDU (Remote Display Unit) it can connect up to 3 RDU for safety notices (Daisy Chain Connection)
- Relay output can automatically control fans to ventilate confined spaces
- IP54 Water Proof Protection of SEU (Sensor Unit)





ZGh213



ZGkb

CO2 Controller

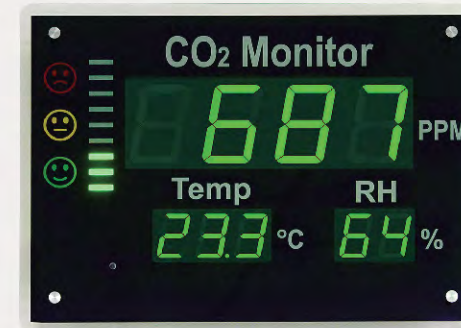
Control CO2 to observe the plants' growing environment



● Power ● Active ● CO2 High ● DayLight

Multi IAQ Monitor

Monitor IAQ in Public Places



ZGkb301 (w)22.68 x (h)16.77 inch



ZGkb201p (w)11.69 x (h)8.27 inch



● <800 ppm ● 800~1200 ppm ● >1200 ppm

- Dual Beam NDIR technology is used to measure CO2 concentration up to 10,000 ppm
- Built-in Photo Sensor
- Relay output (from Relay Socket) can automatically control a CO2 generator or bottled CO2 to produce CO2 in confined spaces
- IP54 Splash Proof except backside when installed on the wall

- CO2, RH, Temperature measurement mode
- Excellent for measuring IAQ in public places
- Large digital LCD display clearly indicates the ambient CO2/Temperature/RH
- Dual Beam NDIR technology improve the long term stability
- Dimmer function for energy saving



ZG9

ZG09

Handheld Multi Gas Detector

CO₂ CO PM2.5



Datalog



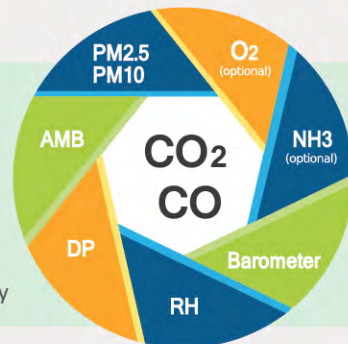
Micro SD Card



RS-485



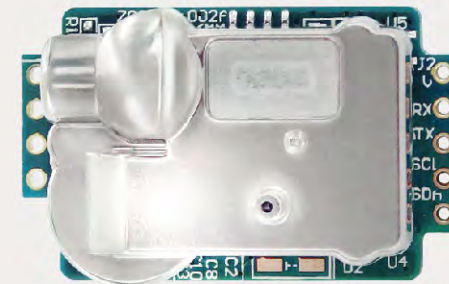
- Dual Beam NDIR technology is used to measure
- CO₂ concentration
- Measurement items:
 - ⊙: CO₂/CO/PM2.5/PM10/RH/DP/AMB/Barometer(basic)
 - △: O₂/NH₃ (optional)
- Audible Alarm / Data Logging with SD Card
- RS485 Communication Interface / Rechargeable Battery



CO₂ Module

High-Reliability CO₂ Module For Various Applications

IAQ HVAC DCV Greenhouse



► Calibration Tube



► CO₂ Entry Hole



► Small Module



- Use Dual Beam NDIR technology improve the long term stability
- Cost - effective CO₂ monitors made with IR-SOC technology
- CO₂
- Small Module for OEM

INNOVATION
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