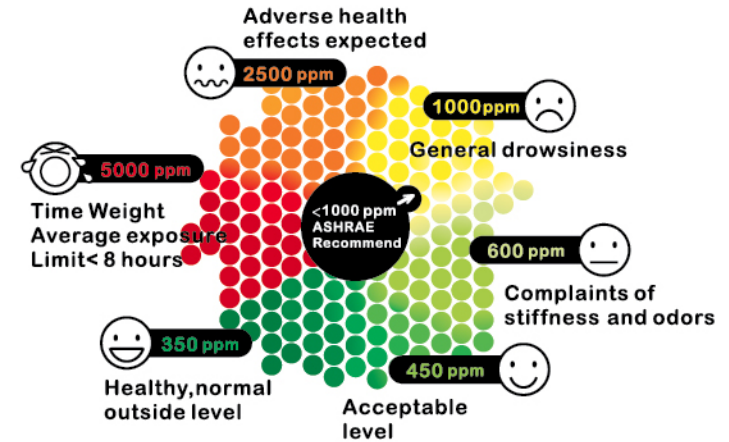


# Monitor CO2 to Ensure Indoor Air Quality

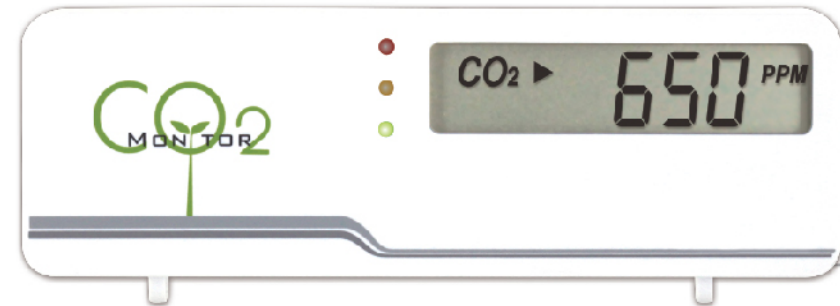


- < 800ppm
- 800~1200ppm
- > 1200ppm



Compact Size

- Dual Beam NDIR (Non-Dispersive-Infrared) technology used to measure CO2 concentration.
- Measure CO2 and temperature
- 3 LED displays show the current Indoor Air Quality
- Communication Interface: Windows XP, Windows 7
- A mini desktop CO2 Monitor



ZGm053U



**Power Supply**  
 USB or 5 VDC AC/DC adapter, which is not included in package (Please use Standard USB power)



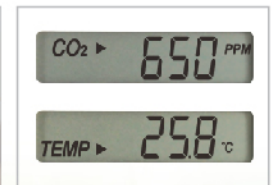
Office



School

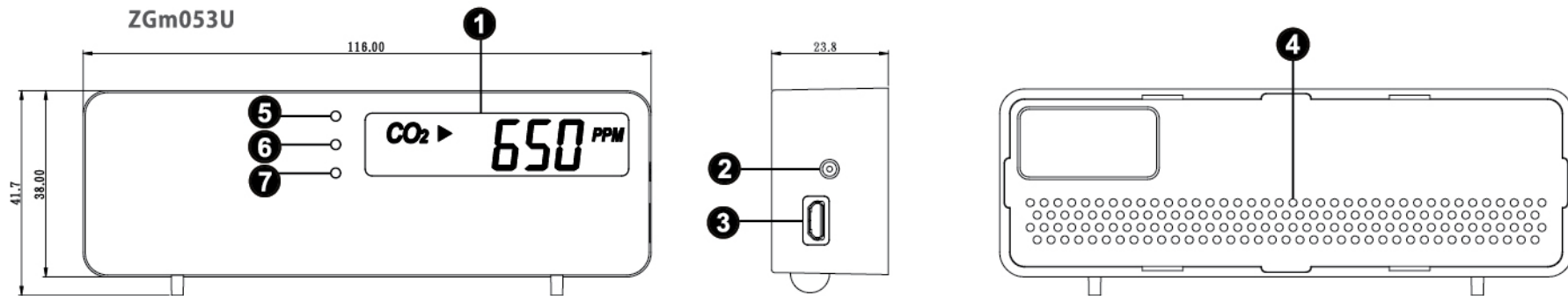


Home



## ZG Mini

is smart, compact and easy-to-use. In addition to measuring the CO2 concentration, ZG Mini can also measure the ambient temperature (CO2+Temp). This product is developed to detect the presence of CO2 in ambient air and helps people to take care of Indoor Air Quality.



1 LCD Display

5 Red LED Display (>1200ppm)

2 Calibration Gas Entry

6 Yellow LED Display (800-1200ppm)

3 Power Inlet

7 Green LED Display (<800ppm)

4 Ventilation Slots

### Specifications

(Specifications are subject to change without notice)

**Method** - Dual Beam NDIR

**Display** -

LCD Independent CO2 and Temperature readings

**Sample Method** - Diffusion

#### ■ Performance - CO2 Channel

**Measurement Range** 0~3000ppm

**Resolution**  
1ppm at 0~1,000ppm  
5ppm at 1,001~2,000ppm  
10ppm at 2,001~3,000ppm

**Accuracy** 0~2,000ppm:  $\pm 100$ ppm or  $\pm 7\%$  of reading, whichever is greater; over 2000ppm:  $\pm 10\%$

**Repeatability**  $\pm 20$  ppm

**Temperature Dependence** Typ.  $\pm 0.3\%$  of reading per  $^{\circ}\text{C}$  or  $\pm 4$  ppm per  $^{\circ}\text{C}$ , whichever is greater, referenced to  $25^{\circ}\text{C}$

**Response Time** About 2min for 63% of step change

**Warm-Up Time** About 60 seconds

**Zone LED Display**  
Green: <800ppm;  
Yellow: 800~1200ppm;  
Red: >1200ppm.  
800ppm is the default AL1,  
1200ppm is the default AL2

#### ■ Performance - Temperature Channel

**Temperature Range** Display 0 to  $50^{\circ}\text{C}$  ( $32^{\circ}\text{F}$  to  $122^{\circ}\text{F}$ )

**Display Resolution**  $0.1^{\circ}\text{C}$ ( $0.1^{\circ}\text{F}$ )

**Display Options**  $^{\circ}\text{C}$  /  $^{\circ}\text{F}$ (switch)

**Accuracy**  $\pm 1.5^{\circ}\text{C}$ ( $\pm 2^{\circ}\text{F}$ )

**Response Time** 20~30 minutes (device must equilibrate with environment)

#### ■ General Operating Conditions

**Operating Temperature**  $0^{\circ}\text{C}$  to  $50^{\circ}\text{C}$  ( $32^{\circ}\text{F}$  to  $122^{\circ}\text{F}$ )

**Storage Temperature**  $-10^{\circ}\text{C}$  to  $60^{\circ}\text{C}$  ( $14^{\circ}\text{F}$  to  $140^{\circ}\text{F}$ )

#### ■ Power Supply

**Power supply** USB or 5 VDC for external AC/DC adapter, which is not included in package (Please use Standard USB power) DC output range: 5VDC/300mA

#### ■ Communication interface:

**OS** Windows XP, Windows 7