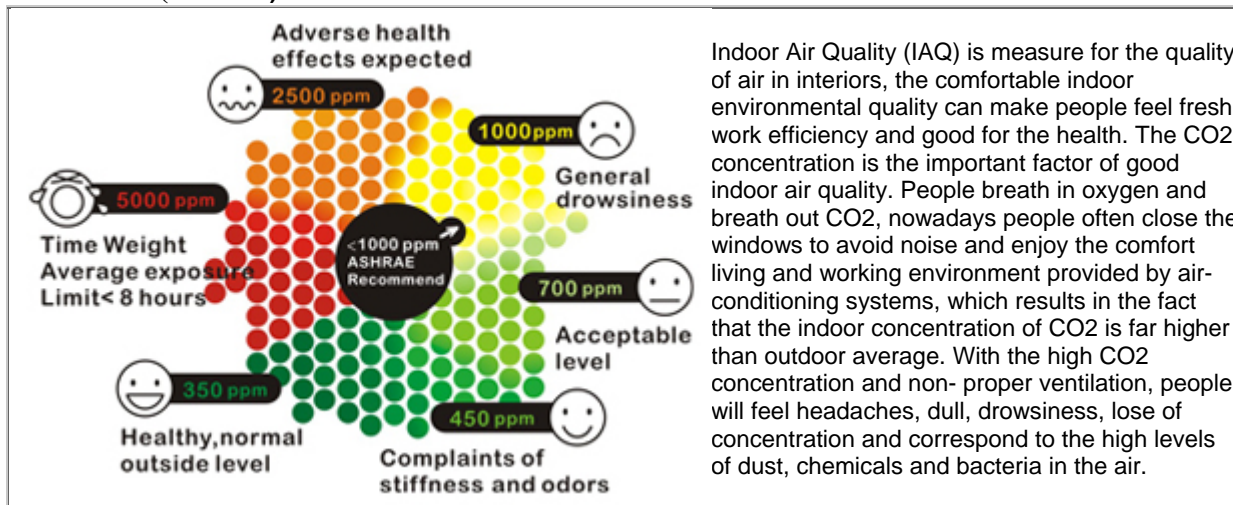




RAD-0201 (ZGkb201)



ZGkb301/ZGkb201 -----Multi IAQ Monitor (CO2 / Temperature / Humidity)

ZGkb301/ZGkb201 Multi IAQ monitor is a cost-effective, air quality indicator, the large single digit LED display with three most critical parameters of indoor air quality, the current CO2 concentration, the ambient temperature and the relative humidity.

CO2-----CO2 concentration indicates the amount of fresh air ventilation being introduced to a space

Relative humidity----The relative humidity in air indicates the amount of moisture

Ambient temperature----The suitable ambient temperature brings the comfortable space.

Features

- CO2, RH, Temperature measure mode
- Excellent for measure IAQ in Public places
- Ultra low cost CO2 Monitor achieved by New IR-SoC Technology
- It uses NDIR technology to improve the long term stability

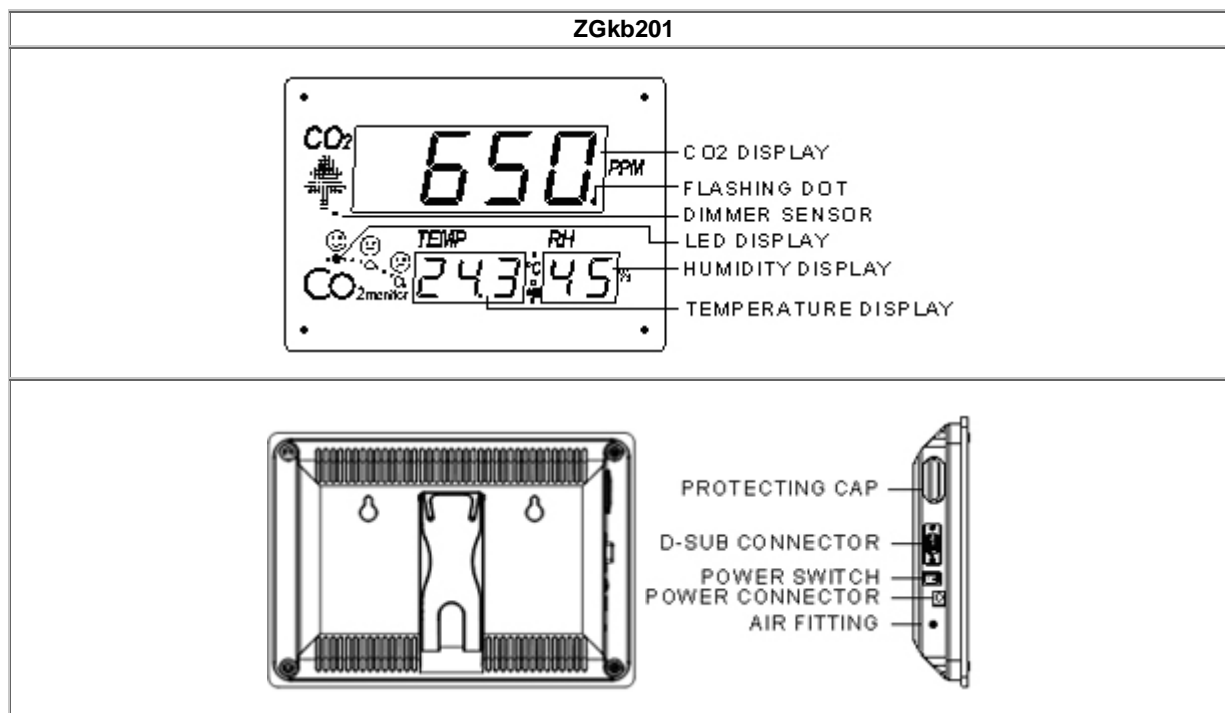
Benefits

- Enjoy the more comfortable, healthy and hygienic Indoor Air Quality
- Save energy, get the proper ventilation, the over-ventilation of the building can be reduced
- Improve the IAQ satisfaction in public.

Application

ZGkb301/ZGkb201 has the widely application for classroom, kindergarten, meeting room, office building, shopping mall, theater, exhibition, hospital, hotel, sports center, gymnasium, railway station, bus station, airport and other public place where the comfort, healthy indoor air quality is important.

LED Display



Dimmer function: When the light indoor become dark, the LED display will also become dark, then it can save power.
 NGC Function: When the switch of "NGC Function" is on, ZGkb301/ZGkb201 will enter into the Nature Gas Calibration mode.(NGC Function is not available in designated area)

Specifications

Method- Dual Bean NDIR

Display – Single Digit LED

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

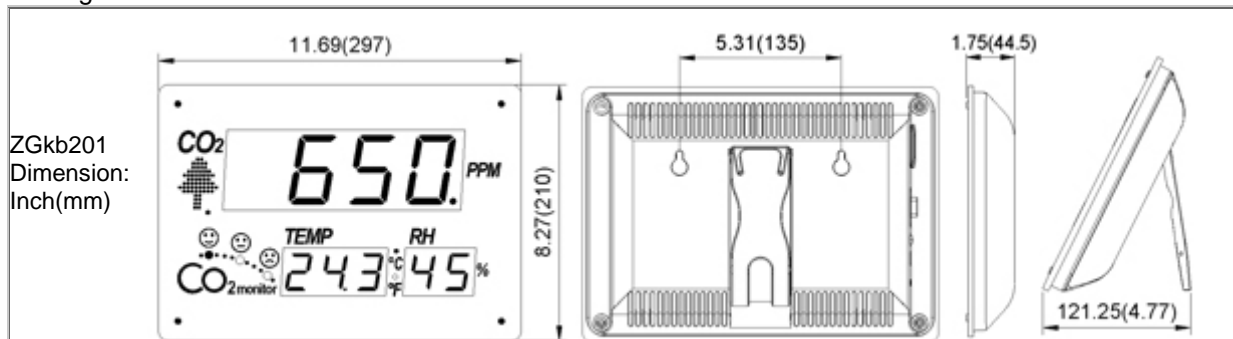
CO2 & Temperature & RH Specification:					
CO2	Measurement Range	0-3,000 ppm display			
	Display Resolution	1ppm at 0~1,000ppm; 5ppm at 1,001~2,000ppm; 10ppm at 2,001~3,000ppm			
	Accuracy	0~2,000ppm: ± 70 ppm or $\pm 5\%$ of reading, whichever is greater; over 2000ppm: $\pm 7\%$			
	Repeatability	± 20 ppm			
	Temperature Dependence	Typ. $\pm 0.2\%$ of reading per $^{\circ}\text{C}$ or ± 2 ppm per $^{\circ}\text{C}$, whichever is greater, referenced to 25°C			
	Pressure Dependence	0.13% of reading per mm Hg			
	Response Time	About 2min for 63% of step change			
	Warm-Up Time	<60 seconds at 22°C			
Temperature	Temperature Range	0°C to 40°C (32°F to 104°F) display			
	Display Resolution	0.1°C (0.1°F (when temperature display is within 100°F)			
	Display Options	$^{\circ}\text{C}/^{\circ}\text{F}$			
	Accuracy	$\pm 1^{\circ}\text{C}$ ($\pm 2^{\circ}\text{F}$)			
	Response Time	20-30 minutes (case must equalize with environment)			
RH	Measurement Range	20%-90% RH			
	Display Resolution	1%RH			
	Accuracy	$\pm 5\%$ RH@ 23°C			
	Response time	<5 min for 63% of step change			
Operating & Storage condition	Operating Temperature	0°C to 40°C (32°F to 104°F)			
	Humidity Range	0 ~ 95% RH non-condensing			
	Storage Temperature	-20°C to 60°C (-4°F to 140°F)			
Power Supply	Power Supply	Universal 100~240VAC, 50/60Hz , External Power Brick(included in package)			
	Power Consumption	<table border="1" style="width: 100%; text-align: center;"> <tr> <td>ZGkb301</td> <td>ZGkb201</td> </tr> <tr> <td>11 Watts (Max.)</td> <td>7 Watts (Max.)</td> </tr> </table>	ZGkb301	ZGkb201	11 Watts (Max.)
ZGkb301	ZGkb201				
11 Watts (Max.)	7 Watts (Max.)				

Installation Instruction

Please carefully take out the ZGkb301 / ZGkb201, screws, wire rope from package. Hang up the ZGkb301 / ZGkb201 with wire rope

1. Choose a suitable location to install ZGkb301, fix the screw (diameter of wallboard nail is bigger than 8mm) to the wall , then using the wire rope to hand up the ZGkb301.
2. Choose a suitable location to install ZGkb201, fix the screw (diameter of wallboard nail is bigger than 4mm) to the wall, then using the wire rope to hand up the ZGkb201.

Weight & Dimension



Weight: 1.4 kg

EMC/RFI

Readings may be affected if the unit is operated within radio frequency electromagnetic field strength of approximately 3 volts per meter, but the performance of the instrument will not be permanently affected.

Available Packages

<p>ZGkb201(U.S. Spec. Power Adaptor) Dimensions: 297*210*50.4mm Weight : 2.3kgs</p> <p>One Set Included:</p> <ul style="list-style-type: none"> ▪ 1 CO2 Monitor ▪ 1 User Manual ▪ 1 PE Bag (Package Power Adaptor) ▪ 1 Power Adaptor ▪ 1 White Box <p>One Carton Included:</p> <ul style="list-style-type: none"> ▪ Q'ty: 4pcs ▪ Carton Size: 600*395*375mm ▶ N.W: 8.9 kgs ▶ G.W: 10.2 kgs 	<p>ZGkb201(EU Spec. Power Adaptor) Dimensions: 297*210*50.4mm Weight : 2.3kgs</p> <p>One Set Included:</p> <ul style="list-style-type: none"> ▪ 1 CO2 Monitor ▪ 1 User Manual ▪ 1 PE Bag (Package Power Adaptor) ▪ 1 Power Adaptor ▪ 1 White Box <p>One Carton Included:</p> <ul style="list-style-type: none"> ▪ Q'ty: 4pcs ▪ Carton Size: 600*395*375mm ▶ N.W: 8.9 kgs ▶ G.W: 10.2 kgs
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Terms frequently used to refer to this industry and Adaptive's products:

Indoor air quality monitors; Indoor air quality electronic sign; Indoor air quality led sign; Indoor air quality digital display; Indoor air quality electronic display; Indoor air quality led display; Indoor air quality wallboards; IAQ electronic sign; IAQ led sign; IAQ digital display; IAQ electronic display; IAQ led display; IAQ wallboards