

Monitoring CO2 to Ensure Indoor Air Quality

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



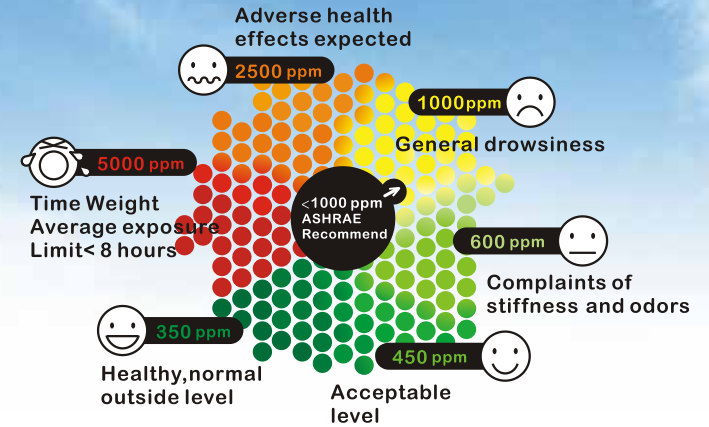
Airport



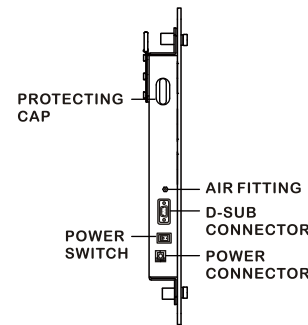
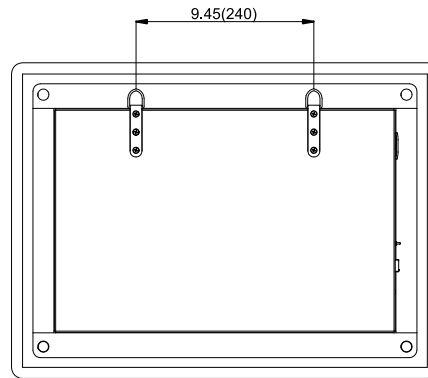
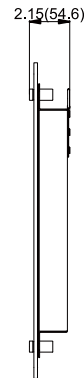
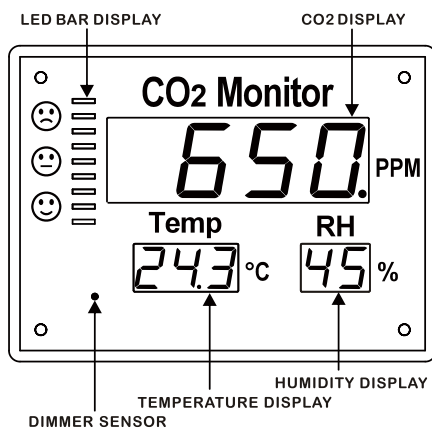
Station



Museum



ZGkb301



ZGkb301

(W)x(H)=
22.68 x 16.77 inch
(576 x 426mm)



ZGkb201p

(W)x(H)=
11.69 x 8.27 inch
(297 x 210mm)



A4 Folder

Monitoring CO2 to Ensure Indoor Air Quality



Fitness center



Office

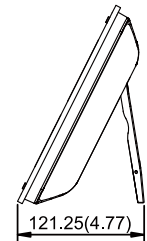
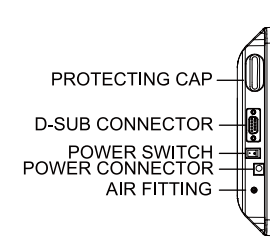
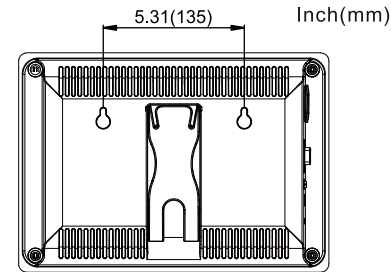
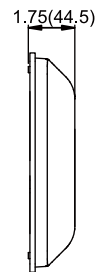
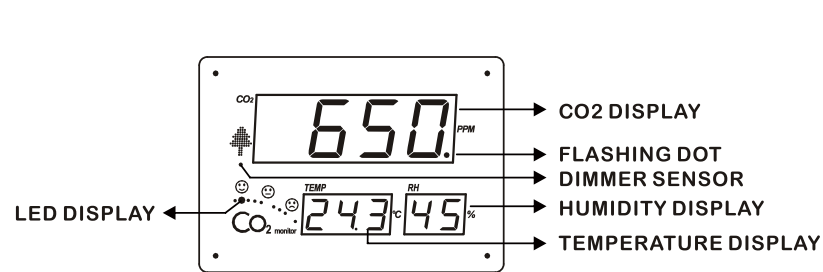


School



ZGkb201p (W)x(H)=11.69x8.27 inch

● < 800ppm | ● 800~1,200ppm | ● > 1,200ppm



Specifications (Specifications are subject to change without notice)

Method - Dual Beam NDIR

Display - Single Digit LED

Sample Method -

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

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

■ 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

■ Performance - Temperature Channel

Temperature Range Display 0 to 40°C (32 to 104°F)

Display Resolution 0.1°C (0.1°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 equilibrate with environment)

■ RH Specification

Measurement Range 20%~90%

Display Resolution 1%RH

Accuracy $\pm 5\%$ RH@ 23°C

Response Time < 5mins for 63% of step change

■ Power Supply Battery Type

Power supply battery type Universal 100~240VAC, 50/60Hz, External Power Brick(included in package)

Power Consumption ZGkb201p 7 Watts (Max.)
ZGkb301 11 Watts (Max.)

■ General Operating Conditions

Operating Temperature 0 - 40°C (32 - 104°F)

Humidity Range 0-95%RH, non-condensing

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