

A-100 CO2 Detector Specification



KingCan Industry Corporation

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ABOUT THE PRODUCT

CO₂ is an indicator of indoor air quality.

Poor indoor air quality would cause headache, fatigue, itchy and swollen eyes, running nose, dry throat, dry skin, dandruff and itchy ears. Effective monitoring of indoor CO₂ helps prevent this Sick Building Syndrome. This product rapidly and accurately measures and analyzes CO₂ level in the air based on the characteristics of infrared absorption of a special CO₂ sensor without being subjected to the interference of other components in the air.

1. CHARACTERISTICS

- Non-destructive tests using infrared rays.
- Lightweight, low power consumption: Be used as a portable or wall-type instrument
- Fast response, high sensitivity, minimum drift and optimal steadiness.

2. APPLICATIONS

- Indoor air quality monitoring such as living room, study room, bedroom and basement.
- Closed-space air quality monitoring such as air conditional buildings, conference room and offices.
- Energy saving when used with air conditioning systems in air terminals, subway systems and playgrounds.
- Monitoring and control of flue and waste gas emission such as soda plants.

3. EASY USAGE

- After starting the equipment, it can be continuously used to perform automatic detection and display without further operation.
- A-100 products can use rechargeable batteries(DC 1.2V,1800mA, AAx4) or Voltage Transformer.
- A-100 products are capable of self recharging after startup. Do not exceed 8 hours of charging.

4. PRODUCT SPECIFICATION

CO₂ Detector A-100 SPECIFICATION

Operating principle	Non-dispersive infrared NDIR
Measurement Range	0~3000/6000/10000ppm CO ₂
Standard warm-up time	40 seconds
Standard operation temperature	0℃~50℃
Display	LCD
Voltage	DC-5V
Alarm	Selected
Battery	DC 1.2V. 1800mA,AAx4
Standard L x W x H	17cm x 8.5cm x 5cm

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CO₂ Detector A-100 REFERENCE TECHNICAL INFORMATION

CO ₂ sampling frequency	2.8/second
Response time 0%~90% full-range reading	13seconds
Reproducibility	1%F.S.
Zero/gauge drift	1.5%F.S.
Linear instability	1.44%F.S.
Measurement accuracy	3.5%F.S.
Output voltage (linear)	0~3V
H/L signal output	0V.5V
PC transmission	RS-232

5. FUNCTION

FUNCTION ITEMS

1. LCD Screen
2. Power
3. Transmitting Interface
4. Power Socket
5. Voltage Transformer



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