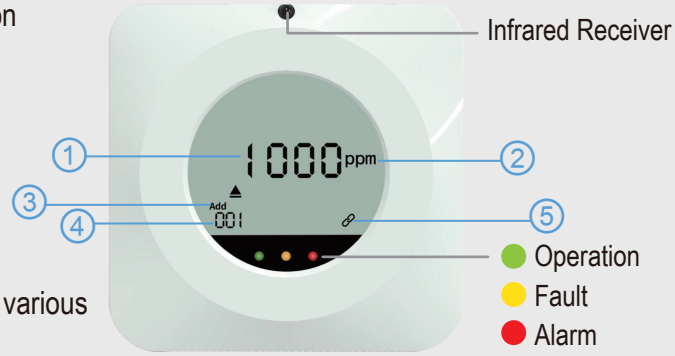
DCbox CO_2 LCD SENSOR — DC110-CO2

- Capable of measuring CO_2 concentration.
- Emits audible and visual alarm signals when the CO_2 concentration exceeds the preset alarm threshold.
- Highly responsive with strong anti-interference capability.
- Features a unique compensation algorithm and multi-point standard gas calibration.
- Characterized by high repeatability and excellent stability.
- Uses remote infrared control technology, allowing parameter adjustments without disassembly.
- Equipped with a high-quality LCD screen for direct value display.
- Operates on a wide DC voltage range of 10–30V, compatible with various DC power supplies.
- Wall-mounted enclosure for easy installation.



SPECIFICATIONS

- ◆ Power Supply : 10~30Vdc
- ◆ Average Power Consumption : 0.6W (24Vdc)
- ◆ Operating Temperature : -10~50˚C
- ◆ Output Signal : 4-20mA/ 0-10V/ 485 output
- ◆ Stability : <5%F.S. or <10% of the reading each year.
- ◆ Operating Humidity : 0~95%RH non-condensing
- ◆ Resolution : 1ppm
- ◆ Accuracy : ±(50ppm+3%F.S.) @(25℃.400~2000/5000/10000ppm)
- ◆ Response Time : ≦30s

① Gas concentration display
② Gas unit display
③ Cyclic display of Add (address) and Baud (baud rate)
④ In item ③, "Add" indicates the address code, and "Baud" indicates the baud rate
⑤ Whether RS-485 communication is successful; once communication is successful, the display remains for 60 seconds

ORDER INFORMATION

DC110-CO2- Code1 - Code2

Code1	Measurement Range
2000	2000ppm
5000	5000ppm
10000	10000ppm

Code2	Output Signal
V	0~10V
Y	RS-485
A	4~20mA

WIRING CONNECTION

Comm.	Position	Description
Power	1	Power+(10-30Vdc)
	2	Power-(GND)
Comm.	3	Signal+(485-A)
	4	Signal-(485-B)

Analog	Position	Description
Power	1	Power+(10-30Vdc)
	2	Power-(GND)
Output	3	Signal+(AO)
	4	Signal-(GND)

1	2	3	4

Wide voltage power input: 10–30V is supported.
*Note: 0–10V output requires 24V power supply.
*When connecting RS-485 signal lines, make sure A and B lines are not reversed.
Device addresses on the same bus must not conflict.

DIMENSIONS (mm)