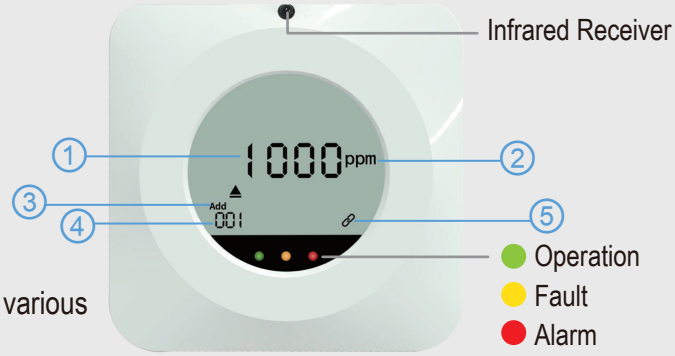
# DCbox O3 LCD SENSOR DC110-03

- Capable of measuring O3 concentration.
- Emits audible and visual alarm signals when the O3 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
- Repeatability : ≦2%
- Stability : ≤7% of signal value per year
- Operating Humidity : 15–90% RH, non-condensing
- Operating Pressure : 90~110kPa
- Warm-up Time : ≧5min
- Resolution : 1ppm
- Accuracy : ±6%FS (@50ppm、25℃、50%RH)
- Zero Drift : ≦±0.5ppm
- 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-O3- Code1 - Code2

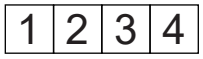
| Code1 | Measurement Range |
|---|---|
| 100P | 100ppm |

| 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) |




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)