

RSA-DCH/RSA-S70-ICB3 High Concentration Carbon Dioxide (CO₂) Transmitter



Applications & Features

- This series products are designed for monitoring high concentration (20-30% vol) of carbon dioxide(CO₂)
- Designed specifically for incubator, cement carbonator and other equipment or application
- For wall mount installation, light and state of art housing
- High performance NDIR digital sensor and circuit, ensure precise measurement and good temperature compensation
- 15 years of CO₂ sensor life without maintenance
- Built-in atmosphere air or 0 ppm N₂ calibration function, convenient for user calibration
- Power and output have over voltage and reverse polarity protection, high reliability and anti-interference capability

Specifications

Sensor: NDIR sensor, with atmosphere air calibration function

Sampling Method: diffusion

Range: 0~20% vol. or other (0~30% vol.)

Accuracy: ± (0.5% vol. +3% reading)

Repeatability: ± (0.1% vol. +2% reading)

Response time: <20s (0.2l/min, low airflow)

Output: 4~20mA (default)/ 0~5V/0~10V

Load resistance: ≤500Ω (4~20mA), ≥2KΩ (0~5/10V)

Power supply: 12~28VAC/10~35VDC

Working environment: 0~50°C, 0~95%RH (Non-cond.)

Storage temperature: -40~70°C

Housing: fireproof ABS/PC, IP65

Weight: about 177g

Approval: CE

Models

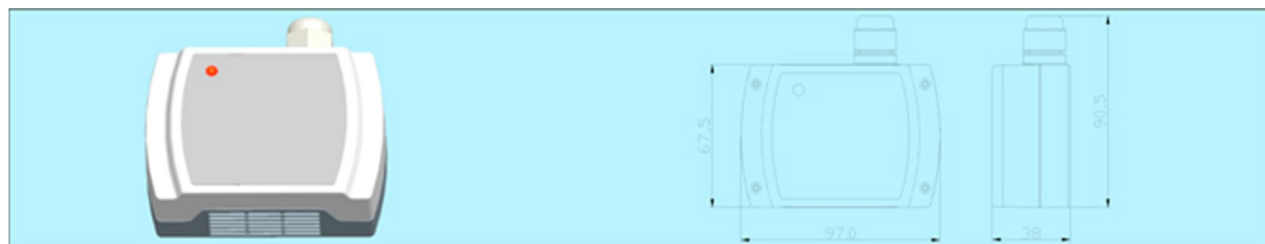
Models	RSA-DCH	High concentration CO ₂ Transmitter, TEREN
Range	0~7	0~20% vol. Other (0~30% vol.)

Models	RSA-S70-ICB3-20%	0~20% vol., TELASIA
	RSA-S70-ICB3-30%	0~30% vol., TELASIA

Common incubator: 2~10% vol. , can select range 0~20% vol.

Common carbonator: 20+/-2% vol. , can select range 0~30% vol.

CMW Wall Mount Carbon Monoxide (CO) Transmitter



Applications & Features

- It's necessary to control the ventilation of car park and vehicle maintenance and test work shop according to many building HVAC regulations. Considering of energy efficiency, demand controlled ventilation(DCV) is recommended. It is designed for the applications which can effectively control the ventilation to safety and energy-saving operations
- Better than most other sensors with 1~3 years life span, it gives more than 7~10 years life span to protect customer's long term investment
- Better than most other sensors which may need recalibration every 6~12 months, it only need periodical recalibration as long as 3~5 years or more, maintaining 5% accuracy
- Digital technology applied, multiple outputs and ranges selections, over voltage and reverse polarity protection, high reliability and anti-interference capability
- LED working status indication, with IP33 protection housing

Specifications

Sensor: Electrochemical, with min. 7~10 years life span

Range: 0~100ppm, or others

Accuracy: ±5%FS

Sampling Methods: Diffusion

Response Time: ≤60 s

Warm up time: ≤2 mins

Output Load: ≤500Ω (current), ≥2kΩ (voltage)

Power: Current: 21~35VDC (RL=500Ω); 15~35VDC (RL=100Ω)
Voltage: 16~28VAC/16~35VDC

Output: 4~20mA (2 wires), 0~10VDC or RS485/Modbus

Work environment: 0~50°C, 0~90%RH (Non- cond.)

Storage temperature: -5~55°C

Housing: fireproof ABS+PC, UL94V-0

Protection: IP33

Weight: 150g

Approval: CE

Models

Model	RSA-COMA	Wall Mount CO Transmitter
Output	1 2 8	0~10VDC(3 wires) 4~20mA(2 wires) RS-485/Modbus
Range	0 1 2	0~100ppm 0~200ppm 0~400ppm