

## CDH/K33-ICB3 High Concentration Carbon Dioxide (CO<sub>2</sub>) Transmitter



### Applications & Features

- This series products are designed for monitoring high concentration (20-30% vol) of carbon dioxide(CO<sub>2</sub>)
- 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 CO<sub>2</sub> sensor life without maintenance
- Built-in atmosphere air or 0 ppm N<sub>2</sub> 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:** 0~5V/1~5V/4~20mA/0~10V

**Load resistance:** ≤500Ω(4~20mA), ≥2kΩ(0~5/10V,1~5V)

**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

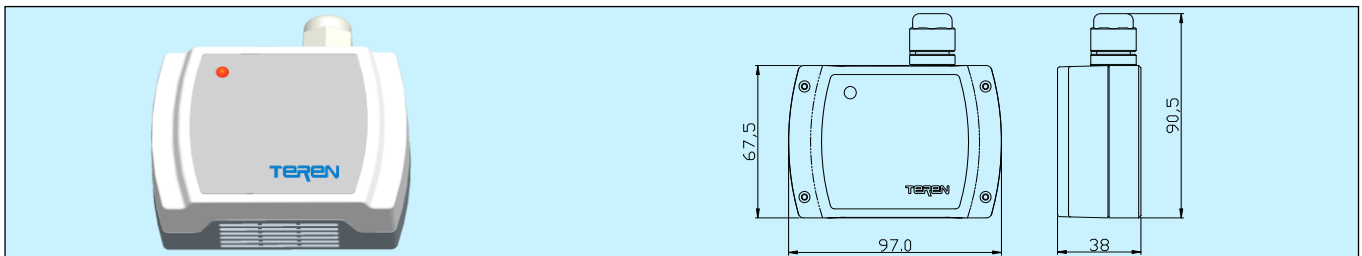
### Models

<b>Models</b>	CDH-20%	High concentration CO <sub>2</sub> Transmitter,0~20% vol.,TEREN
	CDH-30%	High concentration CO <sub>2</sub> Transmitter,0~30% vol.,TEREN
	K33-ICB3-20%	High concentration CO <sub>2</sub> Transmitter,0~20% vol.,TELASIA
	K33-ICB3-30%	High concentration CO <sub>2</sub> Transmitter,0~30% vol.,TELASIA
<b>Output</b>	1	0~10VDC
	2	4~20mA(3 wires)
	E	0~5VDC
	G	1~5VDC

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