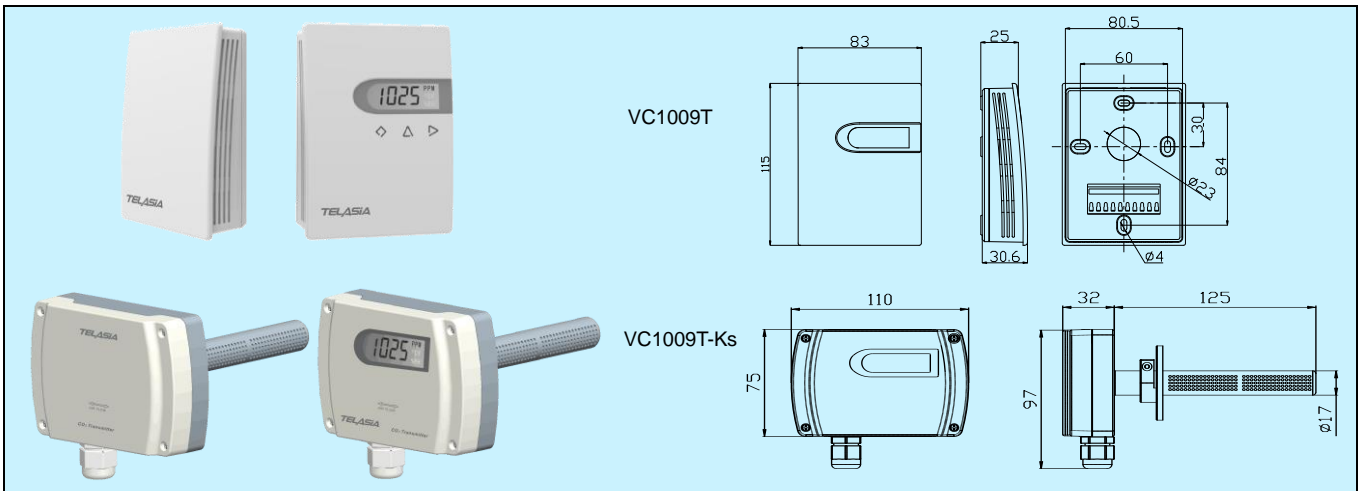


VC1009T Carbon Dioxide (CO₂) Transmitter

TELASIA



Applications & Features

- The transmitters are designed for monitoring & controlling indoor air quality (CO₂ concentration)
- VC1009T are suitable for wall mount and VC1009T-KS are suitable for duct mount
- Using SenseAir's patented gold-plated infrared (NDIR) CO₂ sensor, the products can supply very precise measurement with good temperature compensation
- Field selectable outputs of 0~10V or 4~20mA
- More than 15 years sensor life without extra maintenance

Specifications

Sensor: NDIR sensor, with ABC algorithm (Automatic Baseline Correction)

Sampling Method: diffusion

Accuracy: ± (40+3%MV) ppm

Response time: < 10s (30cc/min, low airflow)

Drift: < ±10ppm/year

Range: 0~2000ppm or others (0~10000ppm)

Output: field selectable outputs 4~20mA or 0~10V

Load resistance: ≤500Ω (Current output), ≥5kΩ (Voltage output)

Power supply: 24 VAC/VDC±20%

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

Temp. Compensation: 0~50°C

Storage temperature: -40~70°C

Housing material: PC

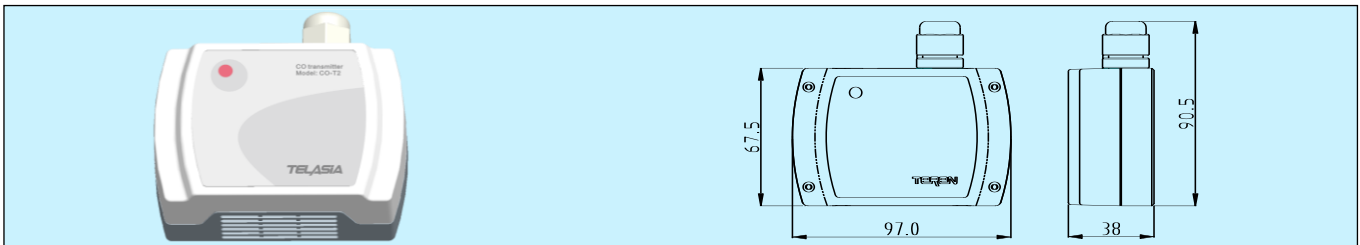
Protection: IP30 (VC1009T), IP65 (VC1009T-KS)

Approval: CE

Models

Model	Model	Description
VC1009T	VC1009T	Room CO ₂ transmitter
VC1009T-KS	VC1009T-KS	Duct mount CO ₂ transmitter
VC1009TD	VC1009TD	Room CO ₂ transmitter with LCD
VC1009TD-KS	VC1009TD-KS	Duct mount CO ₂ transmitter with LCD

CO-T2 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
- Environmental friendly electrochemical sensor gives good long term accuracy, sensitivity and reliability
- Better than most other sensors 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
- Two wire 4~20mA output, the simplest and most economical way to connect with DDC (some brands can be directly connected without additional power supply)
- Digital technology applied, over voltage and reverse polarity protection, high reliability and anti-interference capability
- LED working status indication, with high protection housing

Specifications

Sensor: Electrochemical

Sensor life: min 7~10 years life span

Range: 0~100ppm, or others (0~200/0~400ppm selectable)

Accuracy: ±5%FS

Sampling Methods: Diffusion

Response Time: <60 s

Warm up time: <2 mins

Power: 12.5~35VDC

Output: 4~20mA (2 wires)

Output Load: 0~1022Ω, $V_{min} = 12.5V + 0.022 * R_L$

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, RoHS