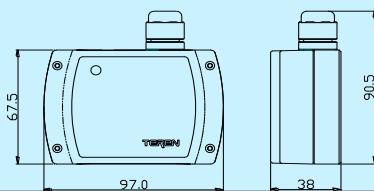


# CMW Wall Mount Carbon Monoxide (CO) Transmitter

TEREN



## Applications & Features

- It's necessary to control the ventilation of car park and vehicle maintenance and test workshop 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( $R_L=500\Omega$ ), 15~35VDC( $R_L=100\Omega$ )  
 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:** fire retardant ABS+PC(UL94V-0)

**Protection:** IP33

**Weight:** 150g

**Approval:** CE

## Models

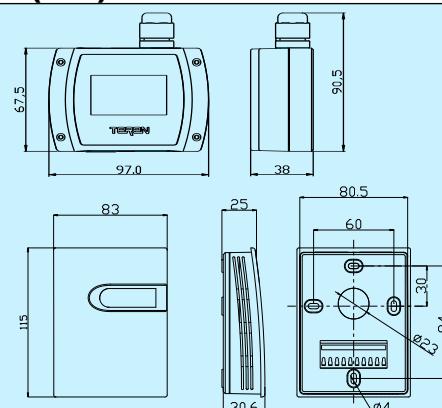
Model	CMW		Wall Mount CO Transmitter
Output	1 2 8	0 1 2	0~10VDC(3 wires) 4~20mA(2 wires) RS-485/Modbus
Range		0 1 2	0~100ppm 0~200ppm 0~400ppm

# CMWL/CMWNL Economical Carbon Monoxide (CO) Transmitter



CMWL

CMWNL



## Applications & Features

- It's necessary to control the ventilation of car park and vehicle maintenance and test workshop 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
- Electrochemical sensor has more than 5 years life span, with long-term stable performance and low drift, only need periodical recalibration every 12 months
- Digital technology applied, multiple ranges and outputs optional, over voltage and reverse polarity protection, high reliability and anti-interference capability
- Different housings meet different installation. CMWL is for wall mount, while CMWNL is for general room application

## Specifications

**CO sensor:** Electrochemical, >5 years life span  
**Sampling Method:** Diffusion  
**Range:** 0~100ppm or 0~300ppm  
**Accuracy:** ±5% FS@25°C, typical ±10% FS@5~50°C  
**Repeatability:** <±3%FS  
**Stability:** <±5%/year@0~100ppm, <±10%/year@0~300ppm  
**Response time (T90):** <60s

**Warm-up time:** <1 min

**Load Resistance:** ≤500Ω(current output), ≥2kΩ(voltage output)

**Power:** Current: 18.5~35VDC( $R_L=500\Omega$ ), 8.5~35VDC( $R_L=0\Omega$ )  
 Voltage: 16~28VAC/16~35VDC

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

**Work environment:** 5~50°C(continuous), 15~90%RH(Non-cond.)

**Storage Temperature:** -10~55°C

**Housing:** fire retardant PC(UL94V-0)(CMWNL), fire retardant ABS+PC(UL94V-0)(CMWL)

**Protection:** IP33 (CMWL), IP30 (CMWNL)

**Weight:** 190g (CMWL), 160g(CMWNL)

**Agency Approval:** CE

## Models

Model	CMWL CMWNL		Wall mount CO transmitter Room CO transmitter
Output	1 2 8	0 1	0~10VDC(3 wires) 4~20mA(2 wires) RS485/Modbus
Range		0 1	0~100ppm 0~300ppm
Display		0 1	N/A LCD