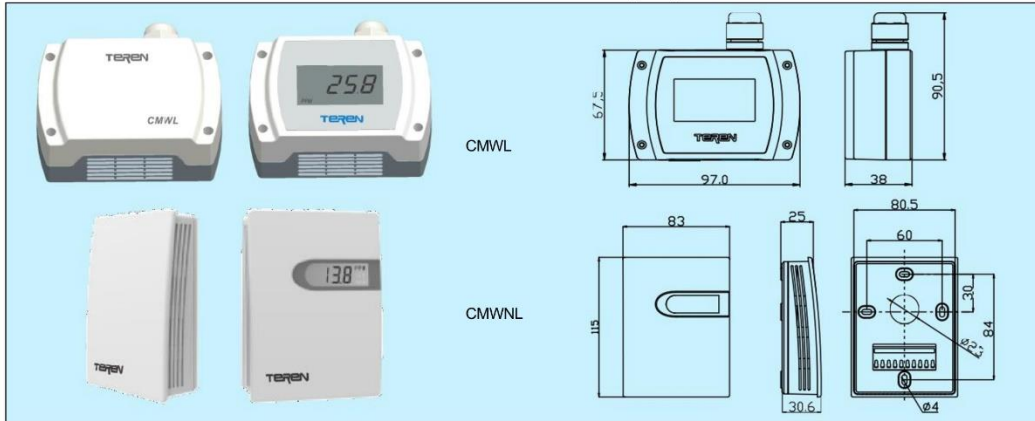


**CMWL/CMWNL Carbon Monoxide (CO) Transmitter**

**Applications & Features**

- It's necessary to control the ventilation of car park and vehicle maintenance and test work shop according to many building's HVAC regulations. Considering of energy efficiency, demand controlled ventilation (DCV) is needed to provide enough fresh air according to CO concentration. These transmitters are designed for the control of ventilation system to safety and energy saving operations.
- Electrochemical sensor gives good long term accuracy, sensitivity and reliability
- The sensor has more than 5 years life span to protect customer's investment, long-term stable performance and low drift, only need periodical recalibration as long as 12 months or more
- Digital technology applied, multiple outputs optional, over voltage and reverse polarity protection, high reliability and anti-interference capability
- Different housings meet different installation requirements, CMWL is for wall mount with better protection, while CMWNL for general room application

**Specifications**

**CO sensor:** Electrochemical gas sensor

**Sampling Method:** Diffusion

**Range:** 0~100ppm or 0~300ppm

**Accuracy:**  $\pm 5\%$  FS@25°C, typical  $\pm 10\%$  FS@5~50°C

**Resolution:** 1 ppm

**Repeatability:**  $< \pm 3\%$  FS

**Stability:**  $< \pm 5\%$ /year@0-100ppm,  $< \pm 10\%$ /year@0-300ppm

**Pressure range:** standard atmospheric pressure  $\pm 10\%$

**Service life:** more than 5 years

**Response time (T90):**  $< 60$ s

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

**Load Resistance:**  $\leq 500\Omega$  (current output),  $\geq 2k\Omega$  (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		0~10VDC(3 wires)	
		2		4~20mA(2 wires)	
		8		RS485/ Modbus	
Range		0		0~100ppm	
		1		0~300ppm	
Display		0		N/A	
		1		LCD	

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