

CO Transducer for Duct LX-CM-D

The CO transducer LX-CM-D is an ideal duct Carbon Monoxide (CO) gas detector, which provides unsurpassed accuracy and reliability.

Details

The CO transducer LX-CM-D detects CO concentration and transmits it to any compatible controller or automation system. The product is also available with an optional LCD display.

The robust ABS casing makes LX-CM-D suitable for a variety of environments.

The device can be equipped with a small LCD display (optional) for local measurement reading.

- Accurate electrochemical sensing element with a range of 0-300 ppm
- Powered by either AC or DC source
- Field adjustable analog output signals, linearized over full range
- Easy to calibrate in the field
- Optional LCD for displaying PPM level and menu options

Order Codes

LX-CM-D

LX-CM-D-LCD (optional, with display)



Technical Data

Gas Detected:	Carbon Monoxide (CO)
Range:	0-300 PPM
Standard Accuracy:	±5 PPM or ±5% of reading (whichever is greater) 5-45 °C, 15 – 95% RH
Sensing Element:	Electrochemical
Operation Conditions:	0-50 °C, -20-50 °C optional low temp (LT), 15 -95% RH non-condensing
Stability:	< 5% signal loss/year
Output Signal:	4-20 mA active (sourcing), 0-5 VDC or 0 – 10 VDC jumper selectable
Output Drive Capability:	Current output – 450 Ohms max Voltage output – 10 kOhms min 10 bit PWM
Output Resolution:	
External Dimensions:	Duct ABS – 124mm (W) x 183mm (H) x43mm (D)
Pressure Coefficient:	0.020 ± 0.008% signal/mBar
Typical Coverage Area:	700 m ²
Response Time:	< 30 seconds for 90% step change
Warm-up Time:	200 seconds
Power Supply:	20-30 VAC/DC (non-isolated half-wave rectified)
Consumption:	80 mA max @ 24 VDC with all options on 150 mA max @ 24 VAC with all options on
Input Voltage Effect:	Negligible over specified operating range
Protection Circuitry:	Reverse voltage protected and output limited Transient protection
Manufacturing Process:	ISO9001