



Electrochemical CO Sensor Series

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©All information has been carefully reviewed. No further notice for the product model,
parameters, and performances due to product improvements.

PF-CO-C001 EN-202204-A

Electrochemical CO Sensor Series

Features

- Excellent selectivity to CO and best-in-class cross interference
- High linear output characteristics for CO measurement
- Low power consumption, applicable for battery-operated
- Long lifetime over 8 years
- Full compliance with UL2034, EN50291 and ROHS requirements



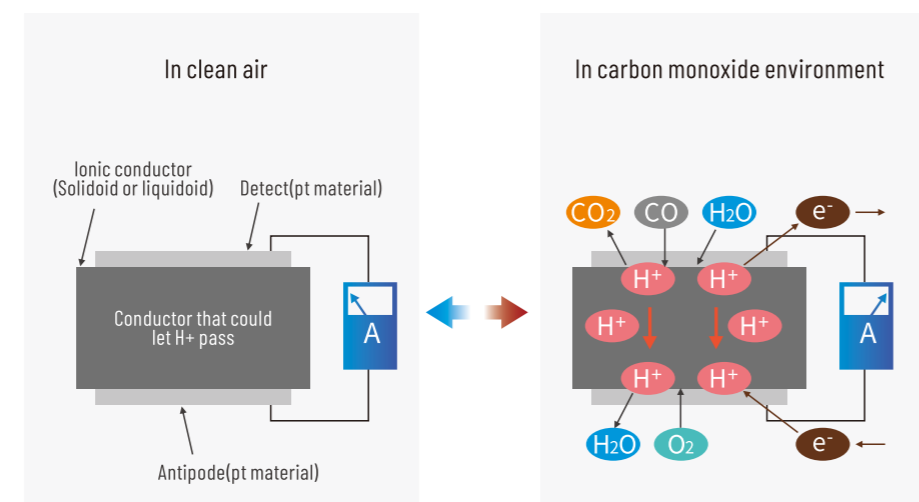
Specifications

Target gas	Carbon monoxide (CO)
Working principle	Electrochemical technology
Measurement range	0~10000ppm
Sensitivity	1.5~3nA/ppm
Repeatability	±2% of reading
Resolution	0.5ppm
Response time (T ₉₀)	<60s
Working temperature	-20°C~+60°C
Storage temperature	-20°C~+60°C
Relative humidity	5~99%RH (non-condensing)
Working pressure range	100 kPa±10%
Lifetime	8+ years
Dimension	φ 13.8*50.75mm

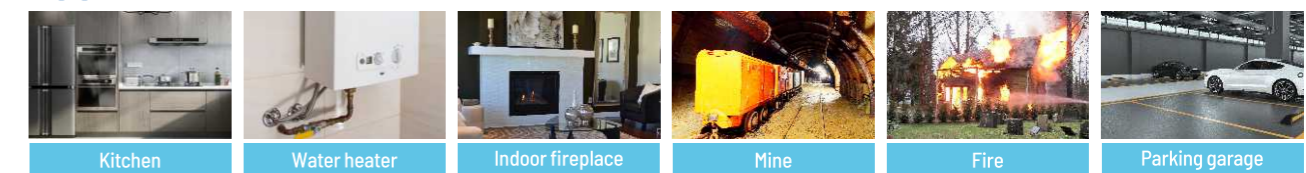
* For details of technical parameters, please refer to the specification sheet.

Cubic Electrochemical Technology ECD

Carbon monoxide and oxygen undergo corresponding redox reactions on the working electrode and the counter electrode and release charges to form currents. The generated current is proportional to CO concentration and follows Faraday's law. The CO concentration can be determined by measuring the magnitude of the current.



Applications



- Residential and commercial CO detectors
- Industrial safety alarm
- Fire early alarm
- Ventilation control for indoor parking garages

Upcoming Launches

Cubic also leverage strong sustainable developing, self-owned technology platforms, adopting product integration strategy, able to provide flexible and competitive OEM solution. We are expanding our electrochemical CO sensor series to residential and commercial CO alarm solution, the prototype will be launching in May 2022.



To learn more about our new product, to send mail to info@gassensor.com.cn or visit <https://en.gassensor.com.cn/>.