

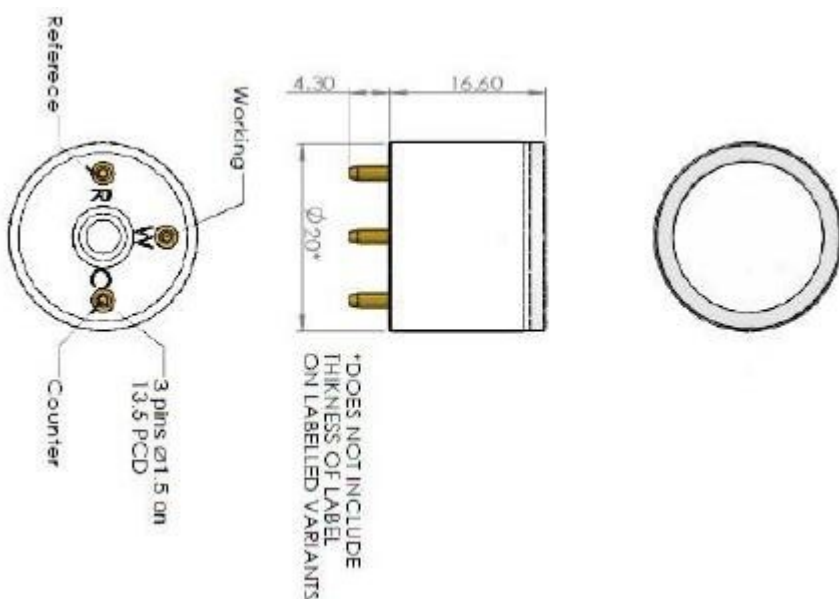
**Electrochemical Carbon Monoxide Sensor EC-4CO-500**

It is a CO sensor which detects Carbon Monoxide in level from 0~500ppm for industrial application.

Response speed is very fast, it is in compliance with most of world-wide industrial standards, and it is also applicable for wider fields.

The CO Electrochemical Sensor can be retrofitted easily to existing product designs.

**Dimensions in millimeters(±0.1mm)**



**Target Gas and Concentration**

Gas	P/N	Operating principle	Detection Range	Maximum Overload
Carbon Monoxide (CO)	EC-4CO-500	3-electrode electrochemical	0~500ppm	2000ppm

**Gas Sensitivity Characteristics**

Gas	Concentration & Output Current
Carbon Monoxide(CO)	70 ± 15 nA/ppm

## Ratings & environment

Response Time	(T90)≤25S (Typical18S)
Repeatability	<±2% signal
Linearity	Linear
Long term output Drift	<2% signal/month
Resolution	1 ppm
Recommended Load	5~35 Ω
Bias Voltage	0 mV
Operating Temp. Range	-30°C~ 50°C
Operating Humidity	15% RH ~ 95% RH(non-condensing)
Operating Pressure Range	800 ~ 1200 mbar
Filter	To remove acid gases such as SO <sub>2</sub> ,NO,NO <sub>2</sub> ,Cl <sub>2</sub> ,H <sub>2</sub> S
Filter Capacity	>30000ppm hours

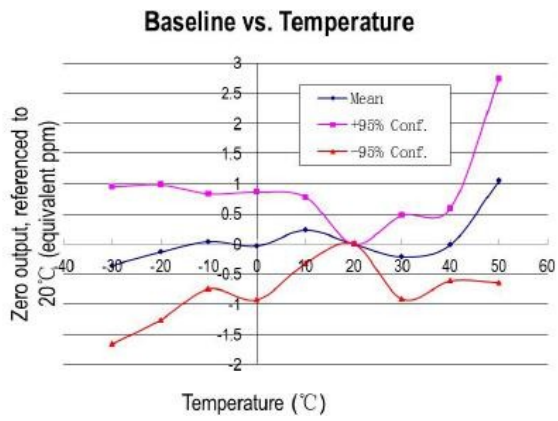
## Storage & Shelf Life

Recommended Storage Temperature	0°C~ +20°C in sealed package
Expected Operating Life	24 months in air
Storage Life	6 months in original package
Standard Warranty	18 months from the date of delivery

## Cross-Sensitivity Data

Gas	Concentration (ppm)	Output signal (ppm CO equivalent)
Hydrogen	100	42
Hydrogen Sulfide	25	0
Sulfur Dioxide	10	0
Nitric oxide	20	0
Nitrogen Dioxide	10	0
Chlorine	8	0

## Temperature Data



## Sensitivity Temperature Dependence

