



Target:	CO
Model:	ME2-CO-Ø14x14
Detection range:	0-1000ppm, Max 2000ppm
Detection principle:	Electrochemical
Characteristics:	Civil use,low consumption,high precision,high sensitivity,good anti-interference ability
Size:	φ20×16.4
Working conditions:	Resolution ratio 0.5ppm Response time < 50s Anticipated using life 7 years
Notes:	UL

Description

ME2-CO-Ø14x14, fuel cell type sensor, detects gas concentration by measuring current based on the electrochemical principle, which utilizes the electrochemical oxidation process of target gas on the working electrode inside the electrolytic cell, the current produced in electrochemical reaction of the target gas are in direct proportion with its concentration while following Faraday law, then concentration of the gas could be get by measuring value of current.

Application

Widely used in commercial and civilian area to detect CO concentration.

Features

- Low consumption
- High precision
- High sensitivity
- Wide linear range
- Good anti-interference ability
- Excellent repeatability and stability

Specifications

Item	Parameter
Detection gas	Carbon Monoxide (CO)
Measurement Range	0~1000ppm
Max detecting concentration	2000ppm
Sensitivity	>0.8nA/ppm
Resolution ratio	1ppm
Response time(T90)	<30S
Load resistance(recommended)	500/1k/2k Ω
Repeatability	<3% output value
Output Linearity	linear
Zero drift(-20°C~40°C)	≤ 10 ppm
Temperature Range	-20°C~50°C
Humidity Range	15%~90%RH
Pressure range	Normal atmosphere $\pm 10\%$
Anticipated using life	3 years

* The description and specifications might be changed without notice. Please contact us for the latest information before placing orders.