

C-EX SERIES FIXED GAS DETECTOR

C-EX Series fixed gas detector is designed for industrial and commercial use. By adopting high-performance smart digital gas sensor module and MCU technology, combined with sophisticated SMT manufacturing process. This detector has good repeatability, high accuracy and long lifespan.

FEATURES

- ✓ High measurement accuracy, stable performance and long service life
- ✓ 230VAC or 24VDC available
- ✓ 2 relay outputs
- ✓ High-performance LED screen display
- ✓ Non-contact operation by infrared remote control
- ✓ Smart sensor module easy for maintenance

APPLICATION

This detector is widely used in gas detection in petroleum and petrochemical industries, power industries, commercial places and other places that may produce harmful gases to the human body.



IP66



Fast response



Smart Sensor

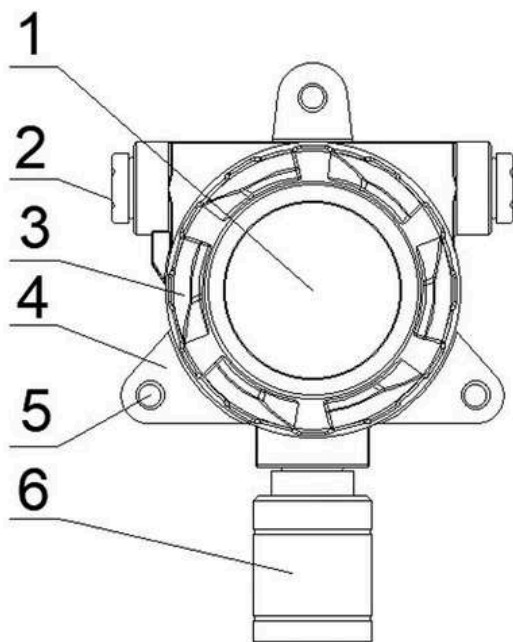


High Accuracy

Sensor Principle	Catalytic
Sampling method	Diffuse naturally
Working voltage	230VAC or 24VDC
Power consumption	≤2.5W
Response time	Flammable: T90≤20s Toxic gas: T90≤30s Other gases: T90≤60s
Relays	2 relays (free contact)
Operation method	IR remote controller
Status indicators	Yellow--Fault alert Red--Low alarm and high alarm Green--Normal monitoring
Working temperature	Flammable: -40°C to +60°C Other gases: -20°C to 50°C
Working humidity	≤95%RH (no condensation)
Air pressure	86kPa to 106kPa
Ingress protection	IP66
Ex-proof grade	Ex d IIC T6 Gb
Enclosure material	Aluminum alloy / Stainless steel optional
Dimension	160mm x 145mm x 97mm
Weight	About 2kg
Thread screw	NPT3/4
Sensor life	Combustible catalytic: 3 years

STRUCTURE DIAGRAM

C-EX Series fixed gas detector is mainly composed of a metal shell, a smart sensor module, a circuit board, ect. The shell is mainly composed of a top shell cover, a shell base, an observation window, plugs, and sensor module with gas inlet. The shell plays a role of explosion-proof and protection. The sensor module and the transmitter group are connected by a cable. The detector structure diagram is shown as below:



Serial Number	Part Name
1	Observation window
2	Plug
3	Top cover
4	Detector body base
5	Mounting holes
6	Gas inlet

