

K800 Series Fixed Gas Detector 21 Years Experience CE/UL Certified Customized For Various Gases

Our Product Introduction

Basic Information

- Minimum Order Quantity: MOQ 1pc
- Price: USD 350
- Stock: 1000pcs in stock
- Shipping Method: Express
- Description: Fixed Gas Detector K800 Series- designed for continuous gas monitoring in chemical plants, oil refineries, and so on
- Payment Terms: T/T



Product Specification

- Weight: 2.1kg
- Product Name: Gas Detector Fixed RS485 4-20ma Detect All Gases
- Color: Yellow
- Type: Fixed Gas Detector
- Measure Range: 0-100ppm, 0-100%LEL
- Detecting Gas: Combustible Gas, NH₃, H₂
- Alarm Type: Sound+Light Alarm
- Response Time: <30S
- Warranty: 1 Year
- Usage: Industrial Production, industrial Combustible Gas Toxic Gas Leak Alarm
- Sensor: Electrochemical Sensor, Catalytic Sensor
- Detection Principle: Catalytic Combustion / Electrochemical / Semiconductor, PID, Electrochemical, catalytic Combustion Type; Electrochemical; Infrared Principle Of Electrochemistry



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Product Description

K800 Fixed Gas Detector

the right choice for a variety of demanding industrial applications

K800 Fixed Gas Detector – an advanced and reliable gas detection system designed to safeguard lives, assets, and the environment. Basing having 3 or 4 wire, 4 to 20mA analog output with relays, it also offers RS485 MODBUS output and HART, making it compatible with most control system. The fixed point detector with in-built alarm and fault relays for the protection of personnel and plant from flammable, toxic and oxygen gas hazards in potentially explosive atmospheres, both indoors and outdoors.



Precision Detection: Cutting-edge sensors for accurate gas detection

- Electrochemical sensors
- Poison immune infrared sensors
- Poison resistant catalytic bead sensors

Versatile: Detects a wide range of hazardous gases for diverse industries, Flammable (catalytic or infrared), toxic and oxygen versions available

Real-time Monitoring: Continuous monitoring and instant alerts for proactive action.

User-friendly: LED light status indicator for fault and alarm conditions

Rugged Build: Built to withstand tough environments with durability.

Simple Installation

- Integral mounting bracket
- Removable plug/socket type terminal blocks for ease of wiring

Cost Effective

- Common transmitter platform
- Minimal training required
- Reduced spares
- Plug-in sensor replacement
- MODBUS multi drop option offers cabling savings

K800 Fixed Gas Detector



UK sensors (brands CITY, Alphasense, Dynament etc.), **US** (brand Honeywell), **Japanese and German sensors**, ensuring high stability & sensitivity

CE/ATEX approved. Gas detectors are approved under the ATEX directive.



Larger & stronger LED screen: easy for reading; able to work in environments with -4°F to 122°F (-20°C – $+50^{\circ}\text{C}$), 0 – 95% RH, non-condensing (anti-splash)

- **High response speed:** Specially designed main board for industrial use; 10+ years professional engineering team for technical solutions
- **OBM/ ODM/ OEM Service:** with over 14 years experience, specializing in gas detectors.



Technical Specification:

Type	Explosion proof/ flameproof enclosed transmitter(*d*)	
Gases	Flammable, toxic gases and oxygen, depended in the sensor used	
Measuring range	Customized adjustment, see sensor data sheet	
Sensor Cell:	UK sensors (brand CITY, Alphasense, Dynament etc.), US (brand Honeywell), Japan and Germany sensors	
Display	LCD	
Working condition	Power	24VDC
	Working temperature	-20 ~+50 -40 ~+70 (optional)
	Working humidity	10%RH~95%RH Non-Condensing
	Pressure range	86Kpa~106Kpa
Output signal	4-20mA analog output, RS485 MODBUS output, HART(optional)	
Construction	Junction Box: Aluminium Alloy, (Stainless Steel Option) Detector: Stainless Steel	
Explosion-proof grade	Ex d IIC T6 Gb	
Protection grade	IP66	
Approvals	UL: Class I, Group A,B,C and D SIL3: IEC 61508:2010 CE:EN 61326-1:2013 Ex d IIC T6 Gb Ex tD A21 IP66 T80 CPA	

Building Environment	Specific Area	Gases Present (Detected by K800)
Oil and Gas	Refineries, Exploration drilling rigs Production platforms Onshore oil and gas terminals Storage facilities	General Hydrocarbons H2S CO O2 VOCs Benzene
Chemical Plants	Raw material storage Process Areas Laboratories Pump rows Compressor stations Loading/unloading areas	General Hydrocarbons H2S NH3 O2
Power Stations	Boiler pipework Burners Turbines Coal silos and conveyor belt areas in older coal/oil fired stations Generator rooms	Flammable CH4 H2 O2 CO
Waste Water Treatment Plants	Aeration tanks Digestion chambers Plants sumps H2S scrubbers Pumps	General Hydrocarbons H2S NH3 CO O2
Manufacturing Facilities	Production lines Chemical processing zones	VOCs, NH3 H2
Marine	Engine Rooms Cargo Holds Boiler Rooms Refrigeration Rooms Fuel Storage Areas	General Hydrocarbons H2 CO NH3 VOCs



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