



## gaslux

**GAS DETECTOR** *For Everyone*

# FX

## SPECIALIST GAS DETECTOR



### PRODUCT OVERVIEW

Gaslux FX series gas detector (with alarm light) is a kind of monitoring gas concentration in different kinds of situations or pipelines 24h continuously wall mounted type gas detector. Using world first brand sensors, and advanced micro-process technology, with data display and high/low alarm, fast response, high precision and good stability. Powered by 24V DC, with 4-20mA, RS485, relay signal output. Explosion proof, suitable for different kinds of situations.





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## PRODUCT ADVANTAGES

Employing overseas original sensor

- Equipped with three-wire system 4-20mA analog output; relay output; RS485 output (optional)
- Unique infrared ray control function, which can non-contacted control the device
- Being compatible with all kinds of controlled alarms, PLC, DCS and other control system, can be remote monitored
- Explosion-proof design, fast, reliable and stable.
- Explosion-proof grade :II 2G Ex db IIC T6 Gb IP65
- With self-calibration function and three standard keys will be used to realize on-site maintenance

## FEATURES

- Monitor the specific gas concentration in environment or pipeline and alarm
- With self-calibration and zero calibration function, makes the detection more accurate and reliable
- With temperature compensation, this is able to realize gas concentration compensation under conditions of different temperatures
- Two-stage alarm with sound and light, alarm point is settable
- Infrared ray controller can remote control alarm point settings, zero calibration, and address modification
- Can output one or two on-off signals, can drive ventilator or solenoid valve and other external devices
- Working Voltage : 12-36V DC Case die-cast aluminum + stainless steel (alarm light)



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## TECHNICAL PARAMETERS

Gas Detected	O2/N2/CO2/EX/Hazardous gas VOC/etc
Detection principle	Electrochemistry, infrared ray, catalytic combustion, PID photo ionization (according to the target gas and sensor)
Install Method:	Wall-mounted, piping type, flow-type (according to the detected environment)
Measure Range	The range is optional, according to the target gas and the sensor.
Resolution	According to sensor and measure range
Precision	3%FS~5%FS(Different sensors have a different precision)
Output signal	4-20MA、RS485、 relay (optional)
Response Time	≤10S
Repeatability	≤±1%
Zero shift	≤±1% (F.S/year)
Connection mode	G1/2 external thread explosion-proof flexible pipe
Temperature	-20°C~ 50°C
Explosion-Proof	II 2G Ex db IIC T6 Gb IP65
Dimensions	180×150×90mm
Recovery Time	≤10S
Linearity error	≤±1%
Display	High light nixie tube display
Gas unit	PPM
Humidity	0-95%RH
Degree of protection	IP65
Operating time	24h
Weight	≤1.6kg





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## NORMAL GAS TYPES AND PARAMETERS

(OTHER GAS ARE NOT LISTED  
CAN BE COSTUMIZED)

DETECTED GAS	MEASURE RANGE	OPTION RANGES	RESOLUTION	RESPON TIME
Flammable gas (EX)	0-100%LEL	0-100%VOL	1%LEL/0.1%VOL	≤10S
Oxygen (O2)	0-30%VOL	0-25%VOL	0.01%VOL/0.1%VOL	≤10S
Carbon monoxide (CO)	0-1000ppm	0-2000ppm	0.1ppm/1ppm	≤10S
Hydrogen sulfide (H2S)	0-100ppm	0-1000ppm	0.01ppm/0.1ppm	≤10S
Methane (CH4)	0-4%VOL	0-100%VOL	0.01%VOL	≤10S
Ammonia (NH3)	0-100ppm	0-200ppm	0.01ppm/0.1ppm	≤10S
Chlorine (CL2)	0-10ppm	0-100ppm	0.01ppm/0.1ppm	≤10S
Hydrogen Chloride (HCL)	0-20ppm	0-100ppm	0.01ppm/0.1ppm	≤10S
Hydrogen (H2)	0-1000ppm	0-40000ppm	0.1ppm/1ppm	≤10S
Nitric oxide (NO)	0-100ppm	0-250ppm	0.01ppm/0.1ppm	≤10S
Nitrogen dioxide (NO2)	0-20ppm	0-100ppm	0.01ppm/0.1ppm	≤10S
Nitrous Oxides (NOX)	0-100ppm	0-2000ppm	0.01ppm/1ppm	≤10S
Formaldehyde (CH2O)	0-10ppm	0-100ppm	0.01ppm/0.1ppm	≤10S
Ozone (O3)	0-10ppm	0-1000ppm	0.01ppm/0.1ppm	≤10S
Carbon dioxide (CO2)	0-2000ppm	0-50000ppm	0.1ppm/1ppm	≤10S
Sulfur dioxide (SO2)	0-20ppm	0-5000ppm	0.01ppm/1ppm	≤10S
Ethylene oxide (ETO)	0-100ppm	0-1000ppm	0.01ppm/1ppm	≤10S
Phosphine (PH3)	0-10ppm	0-5000ppm	0.01ppm/1ppm	≤10S
Hydrogen cyanide (HCN)	0-10ppm	0-100ppm	0.01ppm	≤10S
Nitrogen (N2)	0-100%VOL	0-90%VOL	0.01%VOL	≤10S
Hydrogen fluoride (HF)	0-10ppm	0-50ppm	0.01ppm	≤10S

