

EX gas sensor

Model ES-G328



Main features

- Supports a variety of gas detection
- Imported electrochemical sensor, high stability
- Using remote infrared remote control technology, unique compensation algorithm, high precision, repeatability
- Optional high-quality LCD screen
- Wide voltage 10-30V DC power supply
- Anti-interference modules are added to prevent electromagnetic interference

Compliance

The electromagnetic compatibility in accordance with the following applicable directives:

- EMC 2014/30/EU
- Electromagnetic Compatibility
- EMC 2014/35/EU
- Electromagnetic Compatibility
- Explosion-proof: Ex d IIC T6 Gb

Introduction

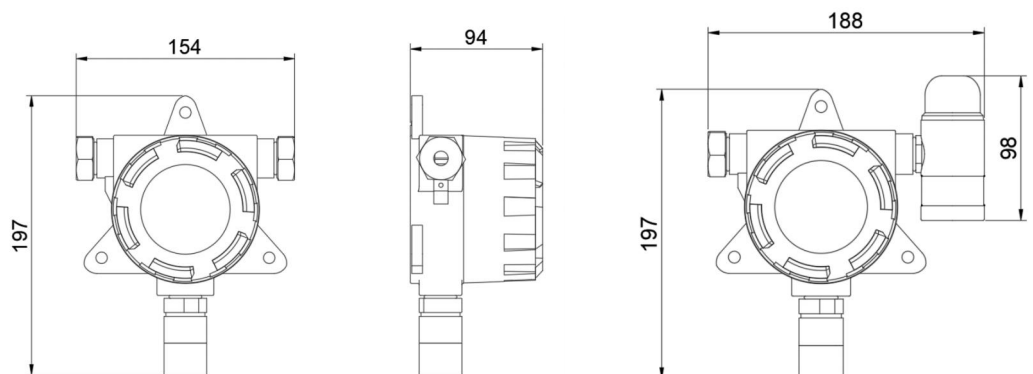
ES-G328 explosion-proof gas sensor is used to detect gas concentration in the air. When the concentration exceeds the preset alarm value, it will send out an audible and visual alarm signal to remind users to take safety measures in time to prevent explosion and poisoning accidents, thereby protecting life and property safety. The transmitter uses imported first-line brand electrochemical sensors, which have the characteristics of rapid response and strong anti-interference ability. After our company's unique compensation algorithm and multi-stage standard gas calibration, it also has the characteristics of long life, high precision, high repeatability and high stability. With a large-screen LCD display, protection level IP65, explosion-proof mark: Ex d IIC T6 Gb, it can be used in harsh outdoor environments.

Application

ES-G328 Explosion-proof gas sensor are widely used in many industries. They are mainly used to monitor and detect the concentration of flammable, explosive, toxic and harmful gases to prevent fire and explosion accidents and ensure production and personnel safety. They are mainly used in the petrochemical industry, coal mine safety field, urban environmental monitoring, etc.

Dimension

Unit:mm



Specification

GAS	PRINCIPLE	RANGE	RESPONSE TIME	ACCURACY
Carbon dioxide CO ₂	Electrochemical probe	0-5000PPM/10000PPM	≤15s	±3%(F.S)
Oxygen O ₂	Electrochemical probe	0-30%/0-100%	≤15s	±5%(F.S)
Ozone O ₃	Electrochemical probe	0-10ppm/0-100ppm	≤15s	±5%(F.S)
Hydrogen sulfide H ₂ S	Electrochemical probe	0-100ppm/0-1000ppm	≤30s	±3%(F.S)
Methane CH ₄	Catalytic combustion	0-100%LEL	≤5s	±3%(F.S)
Carbon monoxide CO	Electrochemical probe	0-1000PPM/2000PPM	≤15s	±3%(F.S)
Nitrogen dioxide NO ₂	Electrochemical probe	0-20ppm/0-2000ppm	≤30s	±3%(F.S)
SO ₂	Electrochemical probe	0-20ppm/0-2000ppm	≤30s	±3%(F.S)
Hydrogen H ₂	Electrochemical probe	0-1000ppm/0-40000ppm	≤30s	±3%(F.S)
Ammonia NH ₃	Electrochemical probe	0-100ppm/0-1000ppm/ 0-5000ppm	≤60s	±3%(F.S)
Nitric Oxide-NO	Electrochemical probe	0-250ppm/0-2000ppm	≤30s	±3%(F.S)
Butane C ₄ H ₁₀	Electrochemical probe	0-100ppm	≤15s	±3%(F.S)
Phosphine PH ₃	Electrochemical probe	0-20ppm/0-2000ppm	≤30s	±3%(F.S)
VOC	Photoionization detection	0~2000ppm/0~200ppm		±3%(F.S)
Signal output	Analog (voltage/current)/digital (RS485)			
Working environment	Temperature :-20°C-50°C; humidity: 15% - 90%RH without condensation			
Relay with load capacity	250VAC 1A/30VDC 1A			
Voltage	DC 12-24V			
Dimension	172×142×90mm ³			
EX	Exd IICT6			
Warranty	The main engine warranty is 2 years, and the gas probe warranty is 1 year			

Order guide

ES-G328	Explosion-proof gas sensor		
	CODE	Functions	
	XXX..	CO ₂ /NH ₃ /H ₂ /CO/H ₂ S/CH ₄ /NO ₂ /SO ₂ /O ₃ /O ₂ /PH ₃ /CH ₂ O etc. <i>(List the functions when order)</i>	
		CODE	Signal output
		XX	RS485, analoge output, RJ45, Lora, WIFI, 4G
ES-G328	CO ₂ /CO	RS485	Order example