PRODUCT OVERVIEW

Pipe mounted gas transmitter

Model ES-GXXXP Series

Main features

- Imported sensor, high precision and stability
- Unique compensation algorithm, high repeatability
- Supports simultaneous measurement of temperature and humidity plus one gas monitoring
- Pipe-mounted installation, IP65 waterproof housing
- Optional high-quality OLED display
- 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

Introduction

ES-GXXXP series pipe mounted gas transmitters include carbon monoxide transmitters, carbon dioxide transmitters, wireless carbon dioxide transmitters, industrial wall-mounted carbon dioxide transmitters, oxygen transmitters, ozone transmitters, sulfur hexafluoride transmitters, hydrogen sulfide transmitters, ammonia transmitters, sulfur dioxide transmitters, nitrogen dioxide transmitters, TVOC transmitters, phosphine transmitters, hydrogen transmitters, methane transmitters, formaldehyde transmitters, etc.

ES-GXXXP series gas transmitters use imported sensors, which have the characteristics of fast response speed and strong anti-interference ability. High precision, high repeatability and high stability. The equipment adopts a waterproof shell design and a pipeline installation method. It can be equipped with a high-quality OLED display screen, and the value can be directly viewed on site. It adopts an anti-interference circuit design and can withstand various strong electromagnetic interferences such as on-site frequency converters.

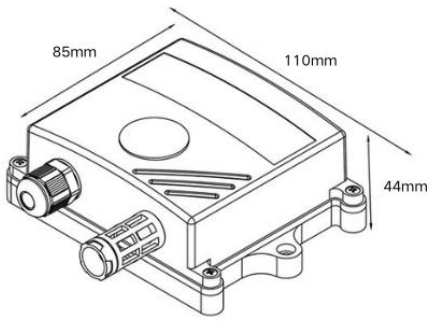
They support multiple signal outputs such as RS485 and analog (4~20mA/0~10V/0~5V).

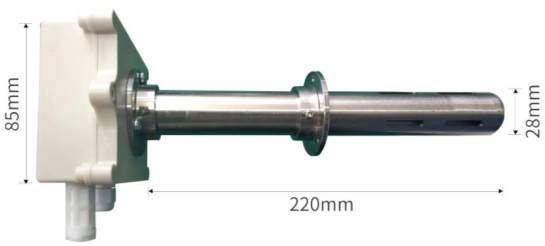
Application

They are widely used in agricultural greenhouses, breeding farms, pesticide manufacturers, and chemical plants etc.

Dimension

Unit:mm





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Specification

Power supply	10~30V DC	
Average power consumption	0.3W（24VDC）,0.18W	
Output signal	4-20mA,0-5V,0-10V,485 output (standard Modbus protocol)	
Temperature	Range defaut:-40°C~+80°C; accuracy: ±0.5°C（25°C）	
Humidity	Range: 0~100%RH; accuracy: ±3%RH（60%RH,25°C）	
Repeatability	CO2/NH3/H2/CO(1000ppm)/H2S/CH4/NO2/SO2/CH2O/O3/PH3/TVOC/CH2O:≤2% CO(2000ppm) :≤3%　O2:≤1%	
Stability	CO2, CO(1000ppm)/H2S/H2/NO2/SO2/NH3/PH3/TVOC/CH2O	≤2% signal value/month
	CH4/CH2O/O3	≤7% signal value/year
	CO(2000ppm)/O2	≤5% signal value/year
Working temperature	CO2/H2/CO/H2S/CH4/NO2/SO2/O2/NH3/PH3/O3/TVOC/CH2O： -20~50°C	
Working humidity	CO2/NH3/H2/CO/H2S/NO2/SO2/O3/PH3/TVOC/CH2O: 15~90%RH without condensation O2: 5~95%RH non-condensing CH4: 0~95%RH non-condensing	
Working pressure	CO2/NH3/H2/CO(1000ppm)/H2S/SO2/O2/PH3/TVOC/CH2O	90~110Kpa
	NO2	91~111Kpa
	CH4	80~116Kpa
	CO(2000ppm)	80~120Kpa
Preheat time	CO2/NH3/H2/CO/H2S/CH4/NO2/SO2/O3/O2/PH3/TVOC/CH2O:≤2 minutes	
Installation	Pipe fixed with flange (flange height adjustable)	
IP grade	IP65 default	

Order guide

ES-GXXXP	series gas transmitters		
	CODE	Measuring arameters	
	TH	Temperature and humidity (Optional)	
	XX (Gas type and range)	O2= 0~25VOL　H2S =0~100ppm…500ppm　CH4=0~100 LEL CO2=0~5000ppm　CO =0~1000ppm…2000ppm　PH3 =0~20ppm CH2O=0~5ppm　NO2= 0~20ppm…2000ppm　TVOC=0~60000ppb SO2 =0~20ppm…2000ppm　H2 =0~1000ppm…4000ppm NH3 =0~50ppm..100ppm..500ppm　O3 =0~10ppm…100ppm	
		CODE	Output (When over 2 kind of parameters, output can only RS485)
		1	RS485 (Modbus protocol)
		2	4-20mA
		3	0-5V
		4	0-10V
ES-GXXXP	TH+CO2	1	Order example

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