

FIXED GAS DETECTOR



EB-F08

EnB Solution

Description :

EB-F08, 고정식 가스감지기는 가연성 가스용 촉매 연소 센서, 산소 및 유해 가스 용 전기 화학 센서, 이산화탄소 가스 및 메탄 용 NDIR 적외선 센서, VOC 용 PID 센서로 구성됩니다. 또한, 대시 보드 디스플레이 인터페이스와 3 색 백라이트로 설계되었습니다. 데이터, 오류, 알람 표시; 방폭 구조의 4 층 배선 회로 기판; 신호 출력은 4 ~ 20mA, RS485, 0 ~ 5V, 0 ~ 10V, 200 ~ 1000Hz, 릴레이 출력 중 선택 가능합니다. 높은 감도, 빠른 응답, 높은 anti-interference, 안정적인 신호와 함께 DCS, PLC 또는 당사의 제어 시스템에 사용할 수 있습니다.

EB-F08 시리즈 고정식 가스감지기는 석유 정제, 화학 공장, LPG 스테이션, 보일러 실, 주유소, 페인트 분무기 및 기타 검사 안전을 필요로하는 많은 응용 분야에 사용할 수 있습니다.

Technical Specification

Applicable Gas	Oxygen, Combustible gas, toxic gas, etc
Detecting Range	According to the detected gas
Resolution	According to the detected gas
Sampling	Diffusion or pump-suction, circulation selectable
Accuracy	$\leq \pm 3\%$ F.S
Repeatability	$\leq \pm 1\%$
Zero drift	$\leq \pm 1\%$ (F.S/year)
Sensor Type	Catalytic combustion , Electrochemical, PID, Infrared sensor
Sensor Life	2~3 years(Catalytic combustion , Electrochemical) 3~5 years(PID, Infrared)
Response Time (T90)	≤ 20 s
Alarming mode	Audible-visual alarm (Optional)
Operating Environment	Temperature: $-30^{\circ}\text{C} \sim 60^{\circ}\text{C}$ (Customized for special demands) Humidity: $\leq 95\%$ RH (non-condensing); if $> 90\%$ RH, should add the filter Pressure: 86kPa~106kPa
Working Voltage	24V DC(16~30VDC)
Output Signals	(Standard)Three-wire system 4~20mA standard signals output, available for PLC, DCS, etc; (Optional) Four-wire system RS485 digital signal output; (Optional) Frequency signal 200~1000Hz output; Two-level passive contact output:220VAC 0.5A, 5VDC 0.5A
Installation Means	Wall mounted, Pipe type (Thread:M40*1.5)
Material of Body	Cast aluminum
Explosion-proof Index	Ex d IIC T6
Protection Grade	IP66
Electrical Interface	3/4"NPT(Female Screw)、 1/2"NPT(Female Screw)
Transmit Distance	≤ 2000 m
Dimension	210 mm×140 mm×92 mm (L×W×H)
Weight	About 1.5Kg
Standards	GB15322.1-2003 , GB3836.1-2010 , GB3836.2-2010 , GB3836.4-2010

Detecting gas list:

Gas	Detecting Range	Alarm Threshold	Sensor Type
NH ₃	0-100 PPM	25 PPM / 50 PPM	Electrochemical sensor
Cl ₂	0-50.0 PPM	10 PPM / 20 PPM	
H ₂	0-1000 PPM	50 PPM / 100 PPM	
CH ₂ O	0-100 PPM	25 PPM / 50 PPM	
O ₂	0-30.0% vol	18.5% vol / 23.5% vol	
H ₂ S	0-100 PPM	10 PPM / 20 PPM	
HCl	0-30.0 PPM	5.0 PPM / 10.0 PPM	
HCN	0-50.0 PPM	5.0 PPM / 10.0 PPM	
PH ₃	0-20.0 PPM	0.3 PPM / 0.6 PPM	
HF	0-10.0 PPM	3.0 PPM / 6.0 PPM	
NO	0-250 PPM	25 PPM / 50 PPM	
CO	0-500 PPM	35 PPM / 70 PPM	
SO ₂	0-20.0 PPM	2.0 PPM / 10.0 PPM	
ClO ₂	0-50.0 PPM	0.3 PPM / 0.5 PPM	
NO ₂	0-20.0 PPM	1.0 PPM / 2.0 PPM	
C ₂ H ₄ O	0-100 PPM	10 PPM / 20 PPM	
O ₃	0-20.0 PPM	5.0 PPM / 10.0 PPM	
CH ₄	0-100% LEL	25% LEL / 50% LEL	
C ₃ H ₈	0-100% LEL	25% LEL / 50% LEL	
H ₂	0-100% LEL	25% LEL / 50% LEL	
NH ₃	0-100% LEL	25% LEL / 50% LEL	
C ₂ H ₄ O	0-100% LEL	25% LEL / 50% LEL	
CH ₃ CH ₃	0-100% LEL	25% LEL / 50% LEL	
C ₂ H ₄	0-100% LEL	25% LEL / 50% LEL	
C ₄ H ₁₀	0-100% LEL	25% LEL / 50% LEL	
C ₄ H ₈	0-100% LEL	25% LEL / 50% LEL	
C ₇ H ₈	0-100% LEL	25% LEL / 50% LEL	
C ₈ H ₁₀	0-100% LEL	25% LEL / 50% LEL	
CH ₄ O	0-100% LEL	25% LEL / 50% LEL	
C ₂ H ₆ O	0-100% LEL	25% LEL / 50% LEL	
C ₃ H ₄ O	0-100% LEL	25% LEL / 50% LEL	
C ₂ H ₃ Cl	0-100% LEL	25% LEL / 50% LEL	
C ₃ H ₉ N	0-100% LEL	25% LEL / 50% LEL	
CH ₃ Br	0-100% LEL	25% LEL / 50% LEL	
CO ₂	0-5.0% vol	1.0% vol / 3.0% vol	NDIR infrared sensor
	0-5000ppm	800 PPM / 1500 PPM	

CH ₄	0-5.0% vol 0-100% vol	1.0% vol / 3.0% vol 5% vol / 10% vol	
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Remark: 가스 종류 또는 측정 범위 목록에 없으면 당사에 문의하십시오.

◆ 고객문의 연락처

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