

FIXED GAS DETECTOR

SI-100C



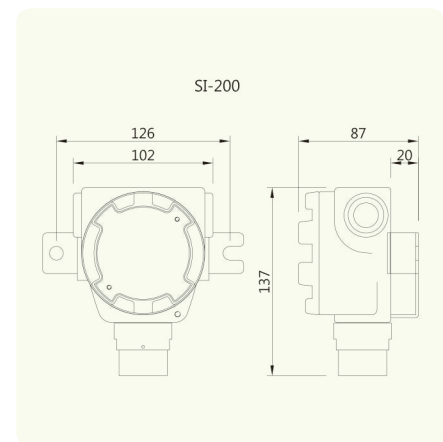
EXPLICATION AND FEATURES

SI-100C is a fixed gas detector installing in a place where potential gas hazard exists to measure oxygen, toxic gas and combustible gas without LCD display. It can be connected to the controller with a standard 4-20mA analog outputs.

- Explosive proof structure
- Water/dust proof structure
- 4-20mA Analog outputs
- Built-in Calibration Mode

APPLICATIONS

Steelworks, Petrochemical plant, Shipbuilding yard, Sewage treatment plant, Mine, Power supply works, Hermetically sealed area (manhole, tank), Warehouse



SPECIFICATION

Model	SI-100C			
Measuring gas	Combustible Gas		Toxic Gas	Oxygen
Measuring type	Diffusion Type			
Measuring method	Catalytic IR Electrochemical cell Galvanic			
Measuring range	0~100%LEL	0~100%LEL	Refer to the list(P.23)	0~30% VOL
Sensor life time	> 5 years	> 2 years	> 2 years	< 2 years
Response time	<15sec/90% scale	<30sec/90% scale	Refer to the list(P.23)	<15sec/90%scale
Accuracy	±3%/Full scale			
Resolution	1%LEL	1%LEL	Refer to the list (P.23)	0.1%VOL
Parameter	Control Switch(calibration), Admin Console(maintenance, OPTION)			
Operation mode display	2-LED(Operating and Zero Cal, Span Cal. LED)			
Output signal	4-20mA DC(3wire)			
Cable/Distance	Signal cable: 3-wire > CVVSB 1.5sq or AWG20		Power + Signal cable: 2-wire > CVVSB 1.5sq or AWG20	
Conduit connection	NPT 3/4" (2way)			
Mounting type	Wall mount			
Setting	1 Switch Interface(Calibration), Console set available(Option)			
Remote Set	via Console (Zero Calibration, Span Calibration, Calibration Gas Concentration Set, Factory default,4-20mA Calibration, Range Set, Data Logging)			
Operating temperature	-20°C ~ +55°C			
Operating humidity	5% to 95% RH(Non-condensing)			
Operating power	7V to 40V INPUT DC (12V or 24V DC 60mA normal)			
Material	Aluminium, Stainless steel(STS304)			
Dimensions	102(W)× 137(H)× 87(D)mm			
Weight	1.0kg			
Option	Console			
Approval	Ex d IIC T5 (IP65) Korea Ex, IECEx, ATEX, CNEx, INMETRO			