

SI-100C

Fixed Gas Detector



DESCRIPTION

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.

KEY FEATURE

- Explosive proof structure
- Water/dust proof structure
- 4-20mA Analog outputs
- Built-in Calibration Mode
- 2 wires for toxic gases / 3 wires for LEL

SPECIFICATION

Model	SI-100C			
Measuring Gas	Combustible Gas		Toxic Gas	Oxygen
Measuring Method	Catalytic	IR	Electrochemical Cell	Galvanic
Measuring Range	0~100%LEL > 5	0~100%LEL	ref. page 19	0~30%Vol
Sensor Life Time	years <	> 2 years	> 2 years	< 2 years
Response Time	15sec/90% scale	< 30sec/90% scale	ref. page 19	< 15sec/90% scale
Resolution	1%LEL	1%LEL	ref. page 19	0.1%Vol
Cable/Distance	Signal cable: 3-wire > CVVSB 1.5sq or AWG20 Power + Signal cable: 2-wire > CVVSB 1.5sq or AWG20			
Measuring Type	Diffusion Type			
Accuracy	±3% / Full scale			
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 for combustible gas, 2wire for other gas)			
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% ~ 95% RH (Non-condensing)			
Operating Power	9~34Vdc 600mA			
Material	Aluminium, Stainless steel (STS304)			
Dimension	102 (W) x 137 (H) x 87 (D)mm			
Weight	1.0kg			
Option	Console			
Approval	IATEX	Ex d IIC T5 Gb IP65		
	CSA	(Under certification)		
	IECEX	Ex d IIC T5 IP65		
	INMETRO	Ex d IIC T5 Gb IP65		