

SI-301

Sampling Type Fixed Gas Detector



DESCRIPTION

SI-301 is a sampling type fixed gas detector, measures the sample gas through a sensor cartridge on a real-time basis. This is a device that helps to prevent or control various gases related accidents including suffocation, intoxication, fire, explosion, corrosion, etc in several semiconductor or industrial sites. The measured gas concentration is transmitted in real time with an output of 4-20 mA and can be configured through three internal relays. In addition, users also can widely benefit from control set of RS-485/Ethernet/Bluetooth connection.

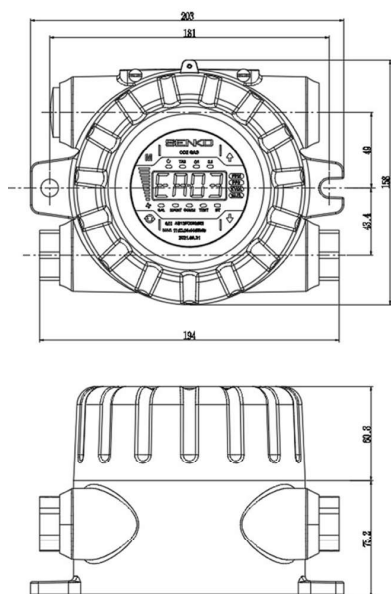
KEY FEATURES

- Explosion-proof structure (IP65)
- Cartridge type sensor – easy maintenance
- Built-in flow control function
- Large LCD with digital concentration indication and digital flow indication
- Control set of 4 buttons / RS-485 / TCP ethernet / bluetooth

APPLICATIONS

- Semiconductor industry
- Sewage treatment plant
- Mine
- Petrochemical plant
- Steelworks
- Power supply work

DIMENSION (Unit:mm)



SPECIFICATION

Model	SI-301
Dimension	194 (H) X 152.4 (W) X 136 (D) mm
Weight	4kg
Operating Voltage	DC : 24V ±10% PoE : 36V~57V (Typical : 48V)
Flow Rate	100~1,000ml (Normal 300~500ml/min)
Power Consumption	Approximately 5.0W
Measuring Type	FND, Gas concentration, Flow rate, Alarm, Device faulty
Display	
Relay	Low Alarm, High Alarm, Fault Alarm
Output Signal	4-20mA
Digital Communication	RS-485, TCP Ethernet
Sampling Distance	Length of input gas tube : Up to 30m Length of exhaust gas tube : Up to 30m
Input/Output Tube	1/4" SUS tube
Operating Temperature	-40°C to +55°C
Control/Set	4 Buttons & RS-485 & Ethernet & Bluetooth
Warranty (Device)	2 years
Warranty (Sensor)	1 year
Remote Interface	Ethernet, RS-485, HART (Option)
Wiring	4 to 20mA / DC power / Relay : Up to 14 AWG
Pressure range	90 to 100kPa
Maximum Sample flow	Max 1,000ml
Maximum Sample Pressure	6kPa
Certification	IECEX Ex db IIC T6 Gb
	ATEX II 2 G Ex db IIC T6 Gb