

The Senko Fixed Gas Detector SI-100C



SENKO

Simple, Low cost fixed gas detection.

The Senko SI-100C is a low cost fixed gas detector for a variety of gas hazards including oxygen, toxic gases and combustible gas.

The SI-100C can be connected to a controller with a standard 4-20mA analog output. It has an explosion proof case and is water protected to IP 65

The SI-100C is available with a wide range of sensor types as detailed in the table below, including the use of electrochemical cells, Infra Red and catalytic sensors and photoionization detectors (PID).



Specification

Model	SI-100C
Operating mode display	D2-LED(operating and Zero Calibration, Span calibration LED)
Alarm display	Visual : LCD alarm display, LCD Backlight, Indicator LED
Alarm output signal	Relay contact(Max 30Vdc, 5A)
Alarm level set	With Console (option)
Output signal	Analogue : 4-20mA
Program set mode	via Console (Zero Calibration, Span Calibration, Calibration Gas Concentration Set, Factory default, 4-20mA Calibration, Range Set, Data Logging)
Cable/distance	Power + Signal cable : 3-wire 1.5sq(AWG16)/2,500m max
Conduit connection	NPT 3/4" (2way)
Temperature/Humidity	-20°C~50°C/ 5% to 95% RH(Non-condensing)
Operating power	7~40Vdc (12V or 24V DC 60mA normal)
Material	Aluminum, Stainless steel(STS304)
LCD Size	102 (W) x 13 (H) mm
Dimensions	102 (W) x 137 (H) x 87 (D) mm
Weight	1.0kg
Approval	ATEX Ex d IIC T5 Gb IP65 IECEX Ex d IIC T5 IP65 INMETRO Ex d IIC T5 Gb IP65

More information:
latest@senkoeurope.com
+44 191 428 3415

Gas	Sensor	Range	Resolution
Oxygen (O ₂)	Electrochemical	0-30% Vol.	0.1% Vol
Carbon monoxide (CO)	Electrochemical	0-500ppm	1 ppm
Hydrogen (H ₂)	Catalytic	0-100%LEL	1% LEL
Hydrogen (H ₂)	Electrochemical	0-1000ppm	Within 5 ppm
Hydrogen sulphide (H ₂ S)	Electrochemical	0-200ppm	1 ppm
Combustible	Catalytic	0-100%LEL	1% LEL
Combustible	IR	0-100%LEL	1% LEL
Ammonia (NH ₃)	Electrochemical	0-100ppm	1 ppm
Methane (CH ₄)	Catalytic	0-100%LEL	1% LEL
Methane (CH ₄)	IR	0-100%LEL	1% LEL
Chlorine (Cl ₂)	Electrochemical	0-5ppm	0.1ppm
Nitrogen Dioxide (NO ₂)	Electrochemical	0-20ppm	0.1ppm