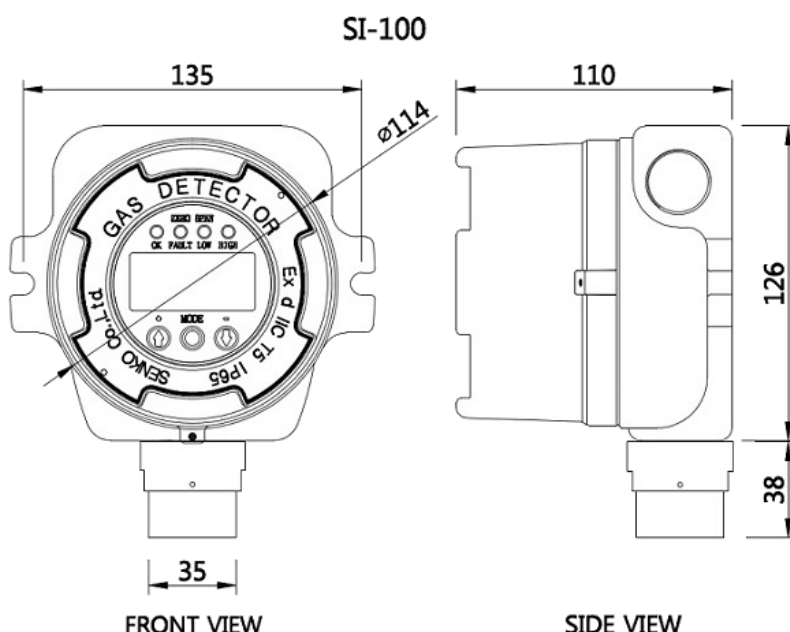




## SENKO SI-100: Explosion Proof Gas Detector



- Low Cost and Reliable
- **IP65** Waterproof
- Hot Work permit **not** required for calibration
- **IEC Ex** Explosion proof
- Large Digital LCD


SI-100 is an IEC Ex fixed gas detector installed in a place where potential gas hazard occurs to measure oxygen, toxic gas and combustible gas. Through the LCD display the SI-100 shows the concentration of gases present and the status of the unit in real time. It can be connected to a controller with a standard 4-20mA analog output communication or RS-485 digital communication. With magnetic buttons a Hot Work permit not required for calibration with no need to open the device

Fully Technically Supported By Gas Detection Australia  
Call: **+61 7 4613 5111** For Technical Advice And Support

## Specifications

Detectable Gases	See Ordering Information for the full list of gas types and specifications
Accuracy of Reading	±3% / Full scale
Operation mode display	Digital LCD display, LCD Backlight, 4 Indicator LED
Measuring value display	Digital LCD Display (4-digit)
Parameter control	Front 3 magnetic switch (calibration, maintenance, alarm setting)
Power Requirements	10~30 VDC
Power Consumption	600 mA
Output Types	Analog: 4-20mA, Digital: RS-485 (Option)
Connection	3 way plug connector
Wiring	Power + Signal cable : 3-wire 1.5sq (AWG16) / 2,500m max
Conduit connection	NPT 3/4" (2way)
Alarm Stages	Alarm value(1,2,3 alarm)   Alarm time (instant & delay) 1~30min   Alarm dead band   Relay output on/off
Operating Temperature	-20°C ~ 50°C
Operating Humidity	5% to 95% RH (Non-condensing)
Enclosure Material	Aluminium, Stainless steel (STS304)
Dimensions	150(W) × 165(H) × 110(D)mm

## Ordering Information

	<b>SENKO SI-100 Fixed Gas Detector</b>				➤ SI-100 Fixed Gas Detector
					➤ User Manual
					➤ Calibration Certificate
Part Number	Gas	Sensor Technology	Range	Resolution	
SI-100-001	Oxygen (O <sub>2</sub> )	Electrochemical	0-30% Vol	0.1% Vol	
SI-100-002	Carbon Monoxide (CO)	Electrochemical	0-500 ppm	1 ppm	
SI-100-003	Sulfur Dioxide (SO <sub>2</sub> )	Electrochemical	0-20 ppm	0.1 ppm	
SI-100-004	Hydrogen (H <sub>2</sub> )	Catalytic	0-100% LEL	1% LEL	
SI-100-004	Hydrogen (H <sub>2</sub> )	Electrochemical	0-1000 ppm	Within 5 ppm	
SI-100-006	Hydrogen Sulfide (H <sub>2</sub> S)	Electrochemical	0-100 ppm	1 ppm	
SI-100-009	Combustible	Catalytic	0-100% LEL	1% LEL	
SI-100-010	Combustible	IR	0-100% LEL	1% LEL	
SI-100-011	Ammonia (NH <sub>3</sub> )	Electrochemical	0-100 ppm	1 ppm	
SI-100-012	Acetylene (C <sub>2</sub> H <sub>2</sub> )	Catalytic	0-100% LEL	1% LEL	
SI-100-013	Ethanol (C <sub>6</sub> H <sub>5</sub> OH)	Catalytic	0-100% LEL	1% LEL	
SI-100-021	Methane (CH <sub>4</sub> )	IR	0-100% LEL	1% LEL	
SI-100-023	Methanol (CH <sub>3</sub> OH)	Catalytic	0-100% LEL	1% LEL	
SI-100-024	Chlorine (Cl <sub>2</sub> )	Electrochemical	0-5 ppm	0.1 ppm	
SI-100-028	Carbon Dioxide (CO <sub>2</sub> )	IR	0-5% Vol	0.1% Vol	
SI-100-029	Hydrogen Chloride (HCl)	Electrochemical	0-10 ppm	0.1 ppm	
SI-100-030	Volatile Organic Compound (VOC)	PID	0-1000 ppm	Within 3 ppm	
<b>Other Gases Available, See our website for details</b>					

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