

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Visit our website - *Click HERE*

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 FEATURES

- 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	0~100%LEL	*Depends on sensor	0~30%Vol
Sensor Life Time	> 2 years	> 5 years	> 2 years	> 2 years
Response Time	< 10sec/90% scale	< 30sec/90% scale	*Depends on sensor	< 15sec/90% scale
Resolution	1%LEL	1%LEL	*Depends on sensor	0.1%Vol
Cable/Distance	Single cable : 3-wire > CVVSB 1.5sq or AWG20		Power+Signal cable : 2-wire > CVVSB 1.5sq or AWG20	
Measuring Method	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 (3 Wire for combustible gas, 2 wire 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			
Certification	IECEx	Ex db IIC T5 Gb		
	ATEX	II 2 G Ex db IIC T5 Gb		
	INMETRO	Ex db IIC T5 Gb IP65		

Detectable Gases	
Oxygen	O2
Carbon Monoxide	CO
Sulfur Dioxide	SO2
Hydrogen (ppm or %LEL)	H2
Hydrogen Sulfide	H2S
Ammonia	NH3
Nitrogen Dioxide	NO2
Methane (Catalytic)	CH4
Methane (IR)	CH4
Chlorine	CI2
Carbon Dioxide (%Vol, ppm or %LEL)	CO2
Hydrogen Chloride	HCI
Hydrogen Peroxide	H2O2
Nitrogen Monoxide	NO
Hydrogen Fluoride	HF
Isobutane	C4H10
Propane (Catalytic)	C3H8
Propane (IR)	C3H8
Hydrocarbon	HC
Silane	SIH4
Fluorine	F2

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP