



S2 Sensor/Transmitter.

Model: S2 series;



Feature.

- * Transmitter type gas detector head.
- * Explosion proof(Class I, Div 1, Groups B,C,D).
- * Connect combustible/O₂/CO toxic sensors.
- * Sensor replacement is a plug-in sensor that can be replaced on site without tools.
- * 4-20mA output signal.
- * CSA, UL, cULus approval.

Applications.

- * USA factory and USA army.
- * Sewage treatment plants.
- * all other industrial site.

RKI S2 gas detector is a transmitter-type gas detector head that offers high reliability and excellent cost-effectiveness for detecting common gas hazards.


The S2 gas detector can measure %LEL for combustible gases, %LEL and ppm for hydrogen gas, and is widely used for measuring oxygen, CO, CO₂ and toxic gases.

The plug-in sensor allows for quick, tool-free on-site sensor replacement.

It is suitable for gas detection in hazardous areas, both indoors and outdoors.



Specifications

detector type	%LEL Combustible	%LEL Hydrogen	H2 PPM Hydrogen	O2 Oxygen	CH4 Methane	HC HC gas	CO2
	65-2405RK 65-2405RK-05	65-2451RK 65-2451RK-05	65-2442RK-1000 65-2442RK-2000	65-2322RK	65-2394RK-CH4	65-2394RK-HC	65-2396RK-02 65-2396RK-03 65-2396RK-05 65-2396RK-10
Sensor	Catalytic combustion		Metal oxide semiconductor	Electrochemical.	IR		
M.range	0~100%LEL		0-1000ppm 0-2000ppm	0~25%VOL	0~100%LEL		0~5000ppm 0~5%VOL 0~50%VOL 0~100%VOL
Low Detect.	2% of full scale			0.1%VOL	2% of full scale		
Accuracy	±5% of reading or ±2%LEL.		±10% of full scale.	±0.5% O2	±5% of reading or ±2% of full scale.		
Response T (T90)	30 sec	20 sec	45 sec	20 sec	30 sec		
Max Current Draw(24V) (DC24V)	70mA(power sires) 25mA(signal wire) 3 wires.			25mA max 2 wires	60mA(power wires) 25mA(signal wires) 3 wires.		
Location	Indoor, Outdoor, Explosion proof(class I, Div 1, groups B.C.D).						
Temp.	-40°C~75°C			-20°C~45°C	-40°C~50°C		
Humidity	0~99%RH, non condensing.						
housing	Cast aluminum explosion proof, optional stainless steel J-box available						
sensor	Stainless steel explosion proof						
Zero	Sets transmitter output to 4mA with zero output from sensor						
Span	Sets transmitter output to proper level when span gas is applied.						
Output Sig.	4~20mA						
Operat. V	DC11V~30V		DC19~30V	DC19~30V	DC11~30V		
Approval	65-2405RK UL	65-2451RK UL	UL	CSA NRTL	cULus		
Connect gas detector	Beacon 110, 200, 410A, 800, 3200. 그리고 PLC & DCS.						
Technical support.							
Technical support	SMG provides 40 years of service engineering experience(consultation/specification review/wiring diagram, technical support in accordance with USA NFPA regulation.						
Calibration	SMG, a KOLAS-approved organization, provides high-quality calibration services.						
Max. cable distance between Beacon	S2 detector	Cable core	18AWG	16AWG	14AWG		
	LEL/IR/CO2	3	762m	1,524m	2,438m		
	O2	2	762m	1,524m	2,438m		
	Toxic	2	762m	1,524m	2,438m		

S2 가스감지부의 기타 부분품



[각 센서 연결 예].

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