



DIRECT CONNECT SENSORS

Gas Detection For Life

LEL / H₂ / O₂ / CO / H₂S



Features

- Explosion proof housing
- Water repellent patented sensor coating
- Available for LEL, H₂, O₂, CO, and H₂S
- Long life sensors (2 + years typical)

Applications

- Petrochemical plants
- Refineries
- Gas plants
- Offshore drilling platforms
- Water & wastewater treatment plants
- Pulp & paper mills
- Gas, telephone, & electric utilities
- Parking garages
- Manufacturing facilities
- Steel
- Automotive

The RKI direct connect series gas sensors are highly reliable and very cost effective for the detection of common gas hazards. The direct connect series are available for LEL, H₂ Specific LEL, Oxygen, H₂S, CO for a variety of RKI's controllers. The sensors for LEL, H₂, H₂S, and CO are explosion-proof with flame arrestors. The Oxygen sensor utilizes an internal intrinsically safe barrier so all 5 versions are designed for use in hazardous atmospheres.

The direct connect sensors can be used in two different ways. The sensors can be mounted directly to the controllers as a complete stand alone system, or they can be mounted to explosion proof junction boxes for remote detection.

The direct connect sensors can be used either indoors or outdoors. The flame arrestors for the LEL, H₂, CO and H₂S versions utilize a patented coating which make them water repellent. Also, splash guards are available for use in very wet environments.

All of the direct connect sensors are designed to specifically interface with RKI controllers.

LEL / H₂ / O₂ / CO / H₂S

	LEL	LEL H ₂	O ₂	CO	H ₂ S
Sensor With J-Box	61-1000RK	61-1001RK	65-2502RK	65-2437RK	65-2427RK
Sensor Only	61-0140RK	61-0156RK	65-2510RK	65-2433RK	65-2423RK
Measuring Range	0-100% LEL	0-100% LEL	0-25% Vol.	0-300 ppm	0-100 ppm
Response Time	30 seconds to 90%	20 seconds to 90%	20 seconds to 90%	30 seconds to 90%	
Operating Environment					
Location	Indoor or outdoor. Explosion proof for Class I, Div. 1, Groups B, C, and D.		Indoor or outdoor. Explosion proof housing and intrinsically safe sensor.	Indoor or outdoor. Explosion proof for Class I, Div. 1, Groups B, C, and D.	
Temperature	-40 to 185° F	-40 to 185° F	30 to 120° F	0 to 120° F	
Humidity	0 - 99% RH, non condensing				
Housing	Aluminum explosion proof enclosure (except for O ₂)				
Sensor					
Type	Catalytic combustion	Catalytic combustion	Galvanic cell	Electrochemical	
Life Expectancy	1 to 2 years with normal intermittent exposure to flammable gas	3 years with normal intermittent exposure to H ₂	2 years normal service	2 to 3 years normal service	
Controllers					
Beacon 100	X	X	X	X	X
Beacon 200	X	X	X	X	X
Pioneer 4W	X	X	X		
Warranty	One year materials and workmanship				

Specifications subject to change without notice.

Made in the USA



A9812



ISO 9001:2000

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