



Wastewater Gas Monitoring system

Explosion Proof Tri-Sensor Head

The GX-6000 Benzene Detector is a game changer and it just changed the game. 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, Oxygen, H₂S, and CO for a variety of RKI's controllers. All sensors are explosion-proof with flame arrestors, and approved for use in hazardous locations.

The tri-sensor head can be used either indoors or outdoors. The flame arrestors for the explosion-proof versions utilize a patented coating which make them water repellent. Also, splash guards are available for use in very wet environments.

The unique tri-sensor design integrates 3 sensors into one explosion proof housing. This results in significant savings with installation and wiring cost versus traditional single sensor enclosures. Only one conduit needs to be run to the sensors.

The tri-sensor head is designed to exclusively interface with the RKI Beacon 410 controller. This 3 sensor head, used with the Beacon 410, is especially well suited for wastewater applications.

Also available in a two or four sensor version, with sensors for LEL, Oxygen, H₂S, and CO available.

IR (infrared) sensor versions available for LEL detection.

Applications:

- Wet Wells
- Dry Wells
- Bar Screen
- Lift Station
- Digesters
- Thickeners
- Primary Clarifiers
- Pump Stations
- Confined Spaces

Features

- 3 Sensors, 1 explosion proof housing
- Infrared sensors available for combustible gases
- Interfaces with Beacon 410 controller
- Available for LEL, O₂, H₂S and CO
- Water repellent patented sensor coating
- Long life sensors (2 + years typical)
- Also available with 2 or 4 sensors



Specifications				
	LEL	O ₂	CO	H ₂ S
Sensor Only	61-0140RK (UL) 61-0140RK-05 (CSA) NC-6234-01 LEL H2	65-2511RK (non xp) 65-2514RK (xp)	65-2433RK-05	65-2423RK-05
Measuring Range	0-100% LEL	0-25% Vol.	0-300 ppm	0-100 ppm
Response Time	LEL – 30 seconds LEL H2 – 20 seconds	20 seconds	35 seconds	
Operating Environment				
Location	Indoor or outdoor. Explosion proof (optional for O2) for Class I, Div. 1, Groups B, C, and D atmospheres.			
Temperature	-40 to 185° F		-4 ~ 113° F	
Humidity	0-99% RH, non condensing			
Housing				
Housing J-Box	Cast aluminum, explosion-proof, epoxy coated			
Sensor	Stainless steel	Stainless steel (xp) Plastic (non xp)	Stainless steel	
Sensor				
Type	Catalytic	Galvanic cell	Electrochemical	
Life Expectancy	1 to 2 years with normal intermittent exposure to flammable gas. LEL H2 version: 3 years with normal intermittent exposure to H2	2 years normal service	2 to 3 years normal service	
Controllers				
	Compatible with the following controllers: Beacon 110, Beacon 200, and Beacon 410			
Approvals	UL or CSA	CSA NRTL (optional for O2)		
Warranty	One year materials and workmanship			
	Note: Additional gas combinations and CSA versions available, please contact factory.			
Infrared				
	CH4		HC	
Measuring Range	0-100% LEL			
Response Time	30 seconds			
Operating Environment				
Location	Indoor or outdoor. Explosion proof (optional for O2) for Class I, Div. 1, Groups B, C, and D atmospheres.			
Temperature	-4 ~ 122° F			
Humidity	0-99% RH, non condensing			
Housing				
Housing J-Box	Cast aluminum, explosion-proof, epoxy coated			
Sensor	Stainless steel			
Sensor				
Type	Infrared			
Life Expectancy	5+ years normal service			
	Compatible with the following controllers: Beacon 110, Beacon 200, and Beacon 410			
Approvals	UL			
Warranty	One year materials and workmanship			
	Note: Additional gas combinations and CSA versions available, please contact factory.			

* Specifications subject to change without notice.