



SAMPLE DRAW SENSOR / TRANSMITTER

Gas Detection For Life

35-3000RK Model



Features

- NEMA 4X enclosure
- Long life pump
- Flowmeter and LED's for operational status
- Low flow indication
- Operates on 24VDC input
- Multigas versions available with up to 4 sensor in one enclosure
- Available in LEL, O₂, H₂S, CO, H₂, HC (ppm)
- LEL and O₂ available with or without transmittter
- LEL and O₂ available together in one standard compact enclosure

Industry Applications

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

The 35-3000RK series is a compact sample draw detector assembly with a built-in pump that accepts a 24VDC input. This unit features a NEMA 4X enclosure making it dust, water and corrosion resistant. It also features a flowmeter with adjustable flow and a low flow alarm which warns of any obstructions or restrictions in the flow system. Combustibles, oxygen, hydrogen sulfide and carbon monoxide versions are available with or without a 4-20 mA transmitter. The 35-3000RK is also available with both LEL and oxygen sensors in one unit.

The 35-3000RK is capable of single person calibrations and remote sampling at up to 5,000 ft. from a controller, and interfacing to any RKI or third party control system (utilizing a 4-20 mA feedback signal). Multigas versions of this efficient sample draw system are available with up to four sensors, LEL, O₂, H₂S and CO all in one enclosure. This is a very cost effective way of monitoring for several gases that may be in the same place.

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World Leader In Gas Detection & Sensor Technology
www.rkiinstruments.com

35-3000RK Model

Part #	LEL 35-3000RKA-LEL	O2 35-3000RKA-O2	H2S 35-3000RKA-H2S	CO 35-3000RKA-CO	HC 35-3000RKA-MOS
Min Operating Voltage	23 VDC				
Max Operating Voltage	30 VDC				
Max Current Draw	250 mA	200 mA	200 mA	200 mA	250 mA
Signal Output	4 mA at 0% LEL 20 mA at 100% LEL	4 mA at 0% 20 mA at 25%	4 mA at 0 ppm 20 mA at 100 ppm	4 mA at 0 ppm 20 mA at 300 ppm	4 mA at 0 ppm 20 mA at 500 ppm (Linear)
Sensor Response Time	30 seconds to 90% of concentration	20 seconds to 90% of concentration	45 seconds to 90% of concentration	30 seconds to 90% of concentration	
Operating Environment					
Location	Indoor or outdoor				
Temperature	30 – 120° F				
Humidity	0 – 99% RH non condensing				5 – 95% RH, non condensing
Housing	Wall mounting grey polycarbonate with hinged cover. NEMA 4X				
Sensor Type	Catalytic combustion	Galvanic cell	Electrochemical		Metal Oxide Semiconductor
Sensor Life	1 to 2 years normal service	2 years normal service	2 years normal service	2 to 3 years normal service	5 to 10 years (typical)
Dimensions	Height 8.5" 216 mm Width 7.0" 178 mm Depth 4.3" 109 mm				
Sampling Method	Sample draw pump				
Display	Flow meter, LED's for operational status; pilot, fail				
Warranty	One year, materials and workmanship				

Non-transmitter versions:

35-3000RK-LEL LEL only
 35-3000RK-OXY oxygen only
 35-3000RK-LEL/O LEL and oxygen

Specifications subject to change without notice.



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Authorized Distributor:

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