



# SAMPLE DRAW SENSOR / TRANSMITTER

Gas Detection For Life

35-3001 Model



## Features

- Available in LEL, O<sub>2</sub>, H<sub>2</sub>S, CO, CO<sub>2</sub>, H<sub>2</sub> (ppm or LEL)
- Multigas versions available with sensors in one enclosure
- Internal sample pump with 100' range
- Flowmeter and LED's for operational status
- Low flow indication
- NEMA 4X enclosure
- Operates on 24VDC input
- Optional 4-20mA output

## Industry Applications

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

The 35-3001 series is a compact sample draw detector assembly with a built-in pump that is powered from 24VDC. This unit features a NEMA 4X enclosure, making it dust, water and corrosion resistant. It also features a low flow alarm which warns of any obstructions or restrictions in the flow system. Combustibles, oxygen, and carbon dioxide versions are available with or without a 4-20 mA transmitter. H<sub>2</sub>S and CO versions both have 4-20mA outputs. The 35-3001 is also available in many dual sensor configurations.

The 35-3001 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).

# 35-3001 Model

Specifications	LEL	LEL	O2	H2S	CO	H2	CO2
Sensor Type	Catalytic	Infrared	Galvanic cell	Electrochemical		MOS	Infrared
Measuring Range	0-100% LEL	0-100% LEL for CH4 and HC's	0-25% Vol.	0-100 ppm	0-300 ppm	0-2000 ppm	0 - 5000ppm 0 - 5.0% Vol. 0 - 50% Vol. 0 - 100%Vol.
Signal Output	RKI direct connect sensors (requires RKI controller) optional 4-20mA output (standard for CO/H2S)						
Operating Voltage	24VDC nominal (18.5 – 30VDC)						
Max Current Draw	250 mA 24VDC						
Location	Indoor or outdoor						
Temperature	-4 to 122° F (-20 to 50°C)						
Humidity	0 – 95% RH non condensing						
Housing	Grey polycarbonate wall-mount hinged NEMA 4X						
Dimensions	Height	8.5"		216 mm			
	Width	7.0"		178 mm			
	Depth	4.3"		109 mm			
Sampling Method	Internal sample draw pump						
Maximum Sample Length	100 Ft.						
Sample Connections	1/4" OD rigid tubing (inlet and exhaust)						
Display	Flow meter, LED's for pilot and fail						
Warranty	One year, materials and workmanship						

Available Configurations					
	Single Channel	Multi Channel			
<b>No Transmitter</b>	LEL IR LEL IR Vol H2 LEL O2 CO2	LEL / O2 IR LEL / O2 IR vol / O2 LEL / IR LEL	LEL / H2S IR LEL / H2S IR vol / H2S O2 / H2S	LEL / CO IR LEL / CO IR vol / CO O2 / CO	LEL / CO2 IR vol / CO2
<b>With Transmitter</b>	LEL IR LEL IR Vol H2 LEL H2S CO O2 CO2		LEL / H2S IR LEL / H2S IR vol / H2S O2 / H2S	LEL / CO IR LEL / CO IR vol / CO O2 / CO	

Note: Transmitter provides 4-20mA output, built-in for all CO/H2S versions.

Specifications subject to change without notice.



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ISO 9001