



SAMPLE DRAW SENSOR / TRANSMITTER

Gas Detection For Life

35-3001 Model



Features

- Available in LEL, O₂, H₂S, CO, CO₂, H₂ (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. H₂S 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			
No Transmitter	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
With Transmitter	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