

# SAMPLE DRAW SENSOR / TRANSMITTER

## 35-3001 Model

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.

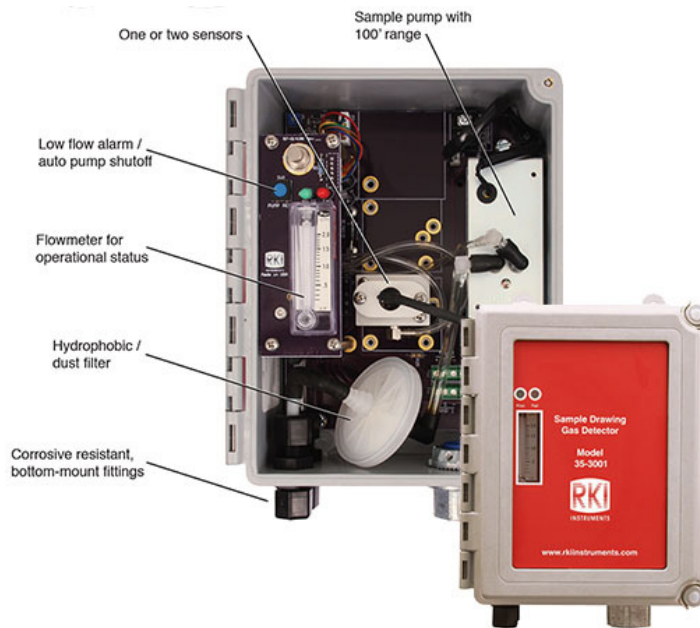
The 35-3001 is capable of single person calibrations and remote sampling at up to 5,000 ft. from a controller, and interfacing to any RKI or third party control system (utilizing a 4-20 mA feedback signal)

### 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



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