



# EXPLOSION PROOF SAMPLE DRAW LEL SENSOR

Gas Detection For Life

Model 1017



## Features

- Monitors 0-100% LEL
- Sample-draw with long life internal pump
- Cast aluminum alloy housing
- Stainless steel inlet and outlet fittings with flame arrestors
- Housing and flame arrestors CSA and UL classified for use in hazardous locations Class I, Division I, Groups B, C, & D.
- Also available for oxygen monitoring, 0-25% volume
- Operates on 24VDC input

## Industry Applications

- Gas Fired Electrical Generation Plants
- Refineries
- Water & Wastewater Treatment Plants
- Manufacturing Facilities

The Model 1017 series is a compact sample draw direct connect LEL sensor assembly with a built-in pump that accepts a 24VDC input. This unit features a watertight cast aluminum alloy housing which is rated as explosion proof for Class I, Division I, Groups B, C, & D. The Model 1017 has a detection range of 0-100% LEL and can draw a sample from 100 feet away.

The Model 1017 can interface to any RKI Beacon 110, 200, 410, or M2 controllers, Beacon 800, Riken Kieki, or third party control system utilizing optional amplifier with 4-20 mA feedback signal. The stainless steel inlet and exhaust fittings on the bottom of the housing allow the gas sample to enter and exit. This is a very cost effective way of monitoring LEL with a sample draw direct connect sensor.

# Model 1017

<b>Target Gas</b>	Combustible gas, methane calibration standard (oxygen detection version also available)
<b>Input Power</b>	24 VDC
<b>Construction (housing)</b>	Cast aluminum alloy, watertight, explosion proof, NEMA 4, 7, 9
<b>Housing Approval</b>	CSA and UL classified for use in hazardous locations Class I, Division I, Groups B, C, & D.
<b>Location</b>	Indoor or outdoor use
<b>Temperature</b>	32 to 104° F (0 to 40 C)
<b>Dimensions</b>	7.00 in. H x 7.00 in.W x 6.13 in. D
<b>Sampling Method</b>	Sample draw pump
<b>Recommended Sample Flow</b>	1.0 LPM
<b>Detection Range</b>	0 to 100% LEL, (optionally 0-25% volume oxygen)
<b>Response Time</b>	90% in 30 seconds
<b>Accuracy</b>	±5% of reading or ± 2% LEL (whichever is greater)
<b>Warranty</b>	One year material and workmanship

Specifications subject to change without notice.



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