

Explosion Proof Sample Draw LEL Sensor

Model 1017

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.

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

Applications

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



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