

Level Alarms for Gaugeboards & Indicators

Using magnetic limit sensors designed for hazardous areas



Get more out of your existing liquid level indicator — Varec's new magnetic limit sensors go hand-in-hand with any tank-side gaugeboard or liquid level indicator.

Accurate, Easy & Economical

Varec's magnetic limit sensors allow you to upgrade the simplest tank gauging systems to provide electronic level alarm output for controls systems and devices, such as PLCs, remote terminal units, lights or sirens.

Using Proven Technology

- The limit switches use magnetic NO/NC sensors with a 1/4" (6 mm) accuracy and 0.002" (0.05 mm) repeatability.
- Order UL approved sensors for use in non-hazardous locations or FM/CSA approved sensors for use in hazardous areas.

Simple Concept

- When the gaugeboard indicator with a target attached travels past a magnetic sensor, an alarm is tripped. You can easily check sensor functionality using any magnet.
- Provide simple overfill protection (Category 1) as recommend by API2350 standard.

Easy to Install and Wire

- Magnetic sensors can be installed at any point on the gaugeboard. Simply pick the alarm point and drill two holes in the gaugeboard using the supplied drill templates. Then mount the sensor and integrate into your system using a standard 4-wire connection.
- The magnetic target attaches to the gaugeboard indicator just as easily.

Multiple Alarm Points

- If your application demands multiple alarm points, just add more switches to your gaugeboard at different levels. Then wire each switch to your system.

Built to Last

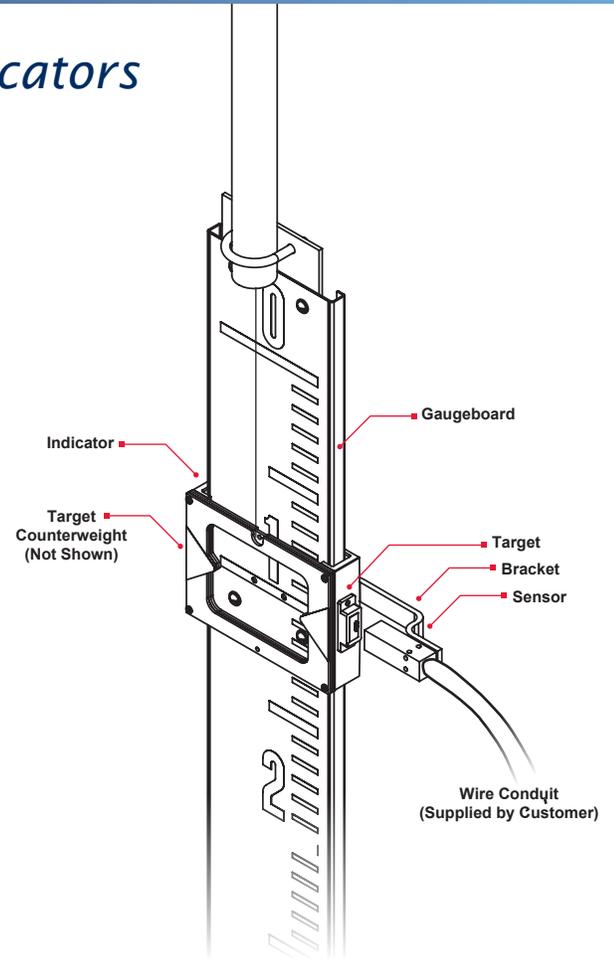
- These sensors are backed by an industry-leading warranty and Varec ensures that they will provide performance and peace of mind for many years to come.

Level Alarms for Gaugeboards & Indicators

Using magnetic limit sensors designed for hazardous areas

Key Specifications

- Switch type: SPDT
- Sensing range:
 - Maximum range to target magnet: 2" (50 mm)
 - Recommended install range to target magnet: 1/4 to 1" (6 to 25 mm)
- Repeatability: 0.002" (0.05 mm)
- Response time: 8 milliseconds
- Operating temperature: -40° to 221° F (-40° to 105° C)
- Dimensions: 1 x 1 x 3.25 in (25 x 25 x 82 mm)
- Voltage ranges: 120/240 VAC and 24/48/250 VDC
- Conduit size: 1/2" – 14 NPT
- Materials: Stainless steel type 304
- UL approved: Non-hazardous locations
- FM/CSA approved: Hazardous locations (Class I, II, III, DIV I, Group A-G)



Ordering Information

Each kit contains 1-4 sensors and brackets, one target and one counter weight, and the required mounting hardware (nuts, bolts and washers). Conduit is dependent on the installation type (UL or hazardous area approved) and is supplied by the customer.

Number of Sensors	Part Numbers	
	UL Approved Kits	FM/CSA Approved Kits
One	13-013327-01	13-013327-11
Two	13-013327-02	13-013327-12
Three	13-013327-03	13-013327-13
Four	13-013327-04	13-013327-14

