High-Level Probe

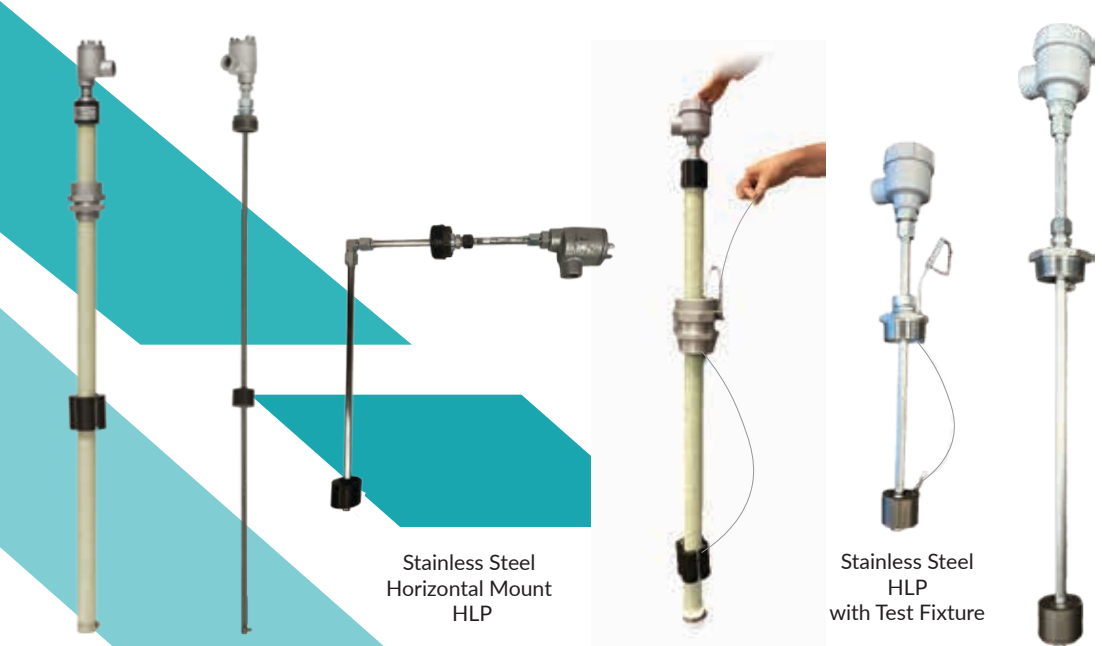
High- and Low-Level Detection / Pump Protection
Cost-effective, Low-maintenance Alternative to Tuning Forks

Why pay more for a tuning fork when Electrolab's High-Level Probe offers the same feature-functionality for significantly less? Electrolab's High Level Probe is available with either a single-point or dual-point float switch for high- or low-level detection in liquid tanks. The High-Level Probe works with both hardwire and wireless applications to help prevent tank overflow and to detect leaks, depending on the settings. The sensor requires no power and runs off a dry contact, eliminating the need for extra wiring. These probes offer long-lasting, rugged, reliable, accurate performance in the most demanding environments, including hazardous environments.

The sensor incorporates discrete circuits of switches configured for either a "High" or "Low" alarm state. As the float reaches a predetermined level, the switches change state indicating either a "High" or "Low" alarm condition based on the probe configuration. Dual-point probes allow for setting two alarm levels.

,Applications

- Overfill and high-level detection in oil, petroleum, corrosive liquid, salt water and other tanks
- Control points and protection for pumps, dry run protection
- Leak detection in containment areas



Fiberglass HLP for Corrosive Liquids

Stainless Steel HLP

Stainless Steel Horizontal Mount HLP

Fiberglass HLP with Test Fixture

Stainless Steel HLP with Test Fixture

High-Pressure Stainless Steel HLP

Benefits

Low Cost, No Power Requirements, Easy Install

Electrolab probes are a safe, low cost option for high- and low-level detection, The optional integrated test fixture allows operators to test the function of the high-level float with the probe installed. The probe requires no power, making it extremely easy and cost-effective to install.

Rugged, Reliable, Accurate

Consistently accurate and reliable, the probe is not affected by electro-mechanical interference, tank turbulence or other environmental variables. After installation, Electrolab's High Level Probe is ready to monitor your tank levels.

Resistant to Paraffin and Other Buildup

Ongoing maintenance is practically non-existent—especially, with stainless steel probes treated with e9 Treatments' Pro Series nanotechnology-based surface treatment. This oleophobic coating significantly reduces paraffin and other types of buildup helping to ensure long-lasting measurement accuracy. Cleaning of the High-Level Probe is rarely necessary and when it is, treated probes wipe clean easily with a microfiber cloth.

Specifications

Mechanical Specifications

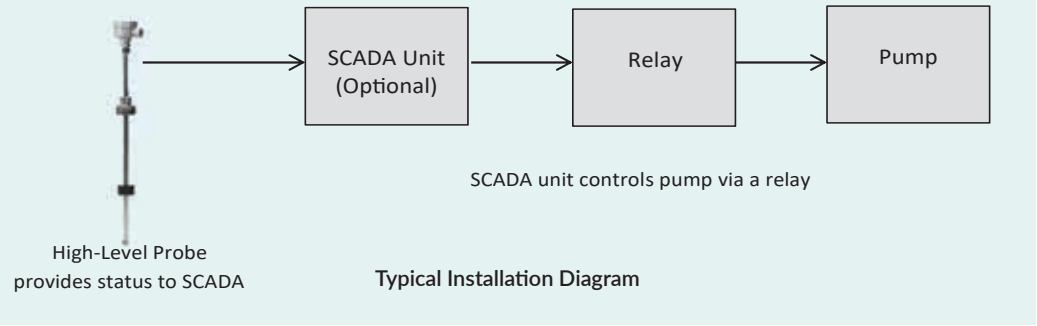
- 304 Stainless Steel or Fiberglass body
- Stainless Steel model fits a 2" NPT-M port; Fiberglass model fits a 4" NPT-F port
- High-density Nitrophyl float
- Explosion-proof
- Customer specified length from one foot and increasing in 1/2-foot increments up to 10 feet
- Vertical tank mounting or 90°, side-mount option for installing to the side of a tank
- Single- or dual-float option for detecting two levels. Customer specified distance between switches.
- Selectable high- or low-level alarm option
- Optional test fixture for verifying operation of the high-level detection feature
- Optional High-pressure design for up to 150 psi
- Hardwire or wireless compatible

Electrical Specifications

- Operating temperature range: -40° C to +80° C
- Dry Contact ratings 1-45v, 100mA (max)

Classification

Class I, Div. 1, Group D Hazardous Locations when installed with an approved Intrinsically Safe Barrier Board



Typical Installation Diagram

CONTACT US: *Electrolab, Inc. | 159 Enterprise Parkway | Boerne, Texas 78006 | 888-301-2400 | insidesales@electrolabcontrols.com*