

# High Level Probe

## Accurate Alarm Level Sensing

Electrolab's High Level Probe offers a single-point and dual-point float switch for either high or low level detection in liquid tanks. The High Level Probe mounts vertically through a female NPT port on the top of the tank (a side mount version is available upon request for stainless steel tubes). An adjustable mounting grip provides for ease of installation. The High Level Probe can be built to custom lengths. The float activates and maintains the output until the level returns to normal.

This sensor incorporates discrete circuits of magnetic reed switches configured such that when the float is seated on the hose clamp, the switches are activated (closed). As the float rises (approximately 0.75" from the hose clamp), the switch will open indicating a "High" or alarm condition. This configuration is very useful in the event a wire is ever cut, indicating an open circuit.

Typical applications for the High Level Probe include:

- High Level detection in oil and salt water tanks
- Control points for pumps
- Liquid detection in containment areas

### MECHANICAL SPECIFICATIONS

- Material: 0.5 inch stainless steel (2" NPT female port) or 1.75 inch (OD) fiberglass (4" NPT female port)
- NYTROPHYL NBR float with embedded magnets
- Glass reed switch contacts
- Explosion-proof junction box
- Customer specified length

### 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

### SIMPLE, ACCURATE, RELIABLE

This consistently accurate and reliable sensor 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.

### NO MAINTENANCE

Ongoing maintenance is practically non-existent—especially, with our patent pending anti-paraffin treatment. This oleo-phobic coating significantly reduces paraffin buildup on steel instrumentation and eliminates the issue of floats sticking and impacting measurement accuracy. Cleaning of the High Level Probe is rarely necessary.

Ask why Floats DON'T STICK with Electrolab's Anti-Paraffin Treatment

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### TYPICAL CONFIGURATION

