

## FLOAT Style Multipoint Level Sensor



**Features :** Small size, single entry  
Thousands of material and mounting combinations  
Up to 5 independent switch points  
Good for monitoring dissimilar liquids  
Integrated temperatures sensors available  
Excellent chemical resistance

**Application :** Storage tanks  
Oil-Water separators  
Cooling towers  
Fuel storage  
Chemical storage  
Chillers

These Multipoint level sensor are ideal for liquids that are corrosive as all wetted parts are made of stainless . These units can be made of various materials depending on the environment that the sensor will be used in. The vertically mounted multi-level FLS switches are individually designed for your application from over 360 possible combinations of floats, mounts, and material options. With up to five independent switch points, the FLS is a versatile, compact and economical way to monitor multiple liquid level points within a single tank.

With only a single entry, the FLS can track changing levels within the tank as well as monitoring liquid interfaces of dissimilar liquids in a single tank like oil water separations, chemical emulsions or condensation levels. These sensors can also be equipped with thermostatic switches to provide level and temperature control in a single device.

### Measurement Principle:

Hermetically sealed reed switches are actuated by a magnet inside the floats. As the floats rise and fall, the magnetic field passing the switches within the stem causes the switches to either close or open.

**Specifications :**

**Temperature range :** -70°C to +500°C (continuous operation) (temporary use to 550 °C possible)

**Body material :** Stainless Steel 316 304 etc

**Diameter :** 3/8 " O D

**Length :** 4 " to 15 feet or as per customer requirement

**Connection :** ½ " NPT

Each switching point requires one float.

For special applications, a single float can be used to activate two switch points, though these points must have minimum separation of 1/8 " .

The maximum number of actuation levels depends on the wiring type selected.

**Ratings:** 20 VA @ 120 VAC SPST  
50 VA @ 240 VAC SPST  
3 VA @ 30 VAC/VDC SPDT

**Connection :** Screw terminals 24 " Free Leads # 22 AWG, PVC jacketed.

**Mounting Attitude:** Vertical ± 30°

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