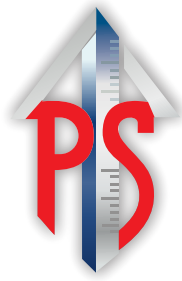


Engineered for Precision.
Built for Performance



PS INSTRUMENTS

FLOW • LEVEL • MEASUREMENT

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Side Mounted Magnetic Level Switch

We are the leading manufacturer, exporter and supplier of The Side Mounted Magnetic Level Switch. The Side Mounted Magnetic Level Switch is an economical free and reliable device used for high, low and intermediate point level switching. It is ideal for tanks with inaccessible tops or bottoms and where insertion depths of top mounted models exceeded



PS INSTRUMENTS

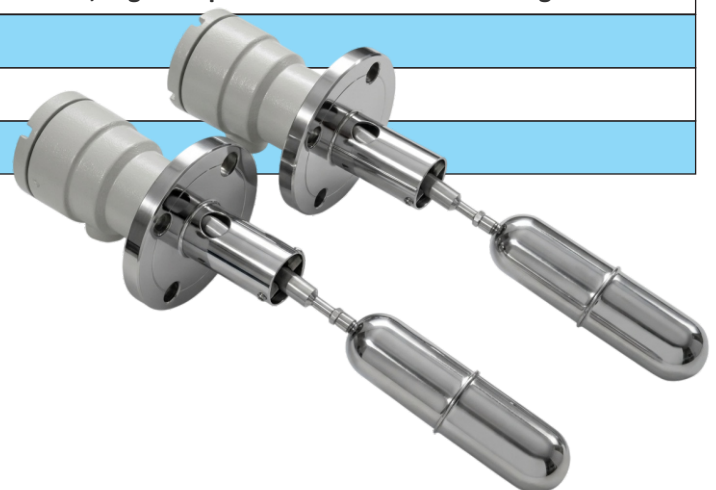
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Principle

The Side Mounted Magnetic Level Switch has a compact & rugged construction, consisting of a free moving pivoted float assembly and a switch enclosure in non magnetic material to achieve undisturbed magnetic flux. It employs dual magnets, one carried by the float arm and other by the contact carries housed in the switch enclosure. A change in liquid level brings the like poles of dual magnets opposite to each other and resulting repulsion force ensures a changeover of contacts with snap action. The magnetic transmission is glandless, leaving no scope for leakages from vessel into switch housing. These switches are manufactured in various materials, enclosures and special features to suit broad range of media and applications. They are designed to provide high repeatability and to minimise effects of shock, vibration and pressure.

Specification	
Installation	Normally Side & Top Mounted for special applications
Enclosure	Cast Aluminum
Conduit Connection	1/2" BSP (F) with 1/2" BSP (M) Conduit
MOC of Floats	SS304, SS316, PP, SS304 with PTFE coated
Min. Specific Gravity	0.6 depending upon float material and dimensions
Process Connections	Flanged or Screwed
Switch Type	Micro Switch (SPDT or DPDT)
Switch Rating	5A / 250 VAC
Switch Differential	Fixed (15 ± 5mm). Adjustable between 40 & 300mm depending upon float, trim length & cam positioning
Accuracy	±2mm
Repeatability	±1mm
Max. Operating Temperature	Upto 250°C and High temperature model upto 350°C
Max. Operating Pressure	Upto 20 Kg/cm ² at ambient temperature (Consult factory for pressure more than 20 Kg/cm ²)
Special Features	Adjustable differential, L/Z cranked trims, High temp. Construction with radiating
Fins. Ingress Protection	IP 65
Float Diameter	45 mm (48 mm at welded seam)
Insertion Depth	215 mm (Standard)



Applications



- Automatic Pump control
- Prevention of tank over flow
- High & low level signals
- Safety interlock circuits
- For keeping pumps safe when dry running



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