LEVEL MEASURING
WITH LEVEL SWITCH

Introductions

Aramak multipoint float level switches are designed to meet a wide range of applications. They use a sealed reed contact actuated by a magnet in the float. As the float rises and falls, the magnetic field causes the switch inside the stem to open or close. These custom-manufactured units are available in lengths up to 2000 mm with up to 8 control points in user specified locations.

Applications

Typical industries:
- Oil and gas production
- Petrochemical
- Chemical
- Power generation
- Water and wastewater treatment
- Food and beverage
- Pharmaceutical
- Pulp and paper
- Biotech
- Semiconductor

Typical applications:
- Oil
- Water
- High and low pressure separators
- Oil and water interface
- Acids - hydrofluoric, hydrochloric, nitric, sulfuric, etc.
- Refined petrochemical - gasoline, propane, butane, ethylene, etc.
- Solvents - acetone, toluene

- Gas condensate
- Heat transfer fluids - diathermy, thermion and glycol
- Black, green and red liquor
- Refrigerants
- Alcohols
- Caustics
- Chlorine
- Steam condensate - boiler feedwater heater boiler drum level control
- Bitumen
- Vacuum tower bottoms
- Ammonia
- Liquid Sulphur
- Most liquid to liquid interfaces

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Mounting Type

Side Mounted Level Switch

- All construction in house by code certified welders
- Float designed and weighted for maximum accuracy
- Safe for corrosive, flammable, toxic, high-temperature and high- pressure applications
- Rugged design- low or no maintenance
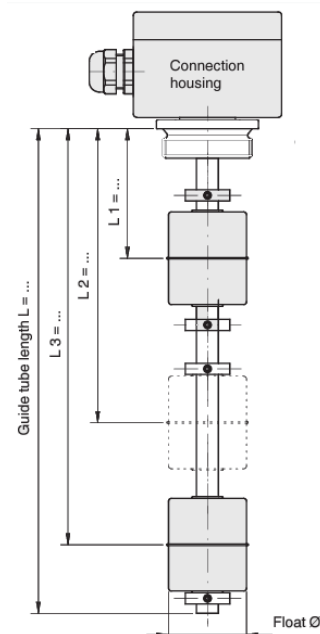
Top Mount Level Switch

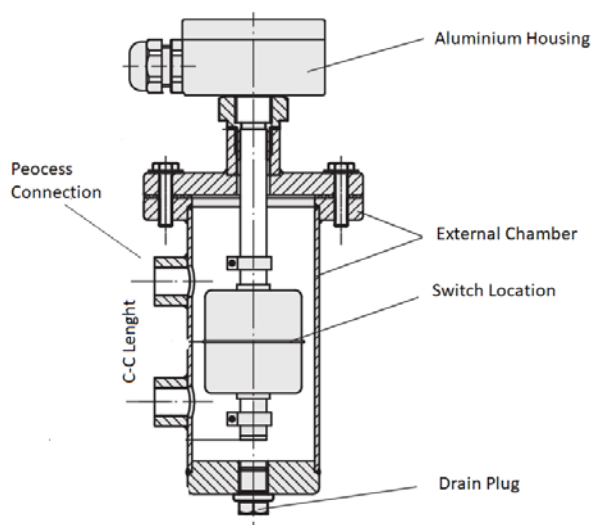- Magnets above float connected with rod
- Slug catcher level
- Optional stilling wells
- Total or interface level measurement
- Underground tanks and sumps
- Fluids with magnetic particles

Corrosive/Lightweight Magnetic Level Gauge

- PVC, CPVC, Polypropylene or PVDF construction

Heat Traced and High Temperature Insulation Magnetic Level Gauge

- Electrical or steam heat tracing
- Removable insulation

Ordering Information

FLS	XX	XX	XXXX	XX	XXX	XX	XX	XXX	XXX	XX	XXX	XXX	xxx
Design													
Float Top mount (without Chamber)	TM1												
Float Side mount (with External Chamber)	SM1												
Displacer Top mount (without Chamber)	TM2												
Displacer Side mount (with External Chamber)	SM2												
Mounting (for SM Type)													
Side-Side		SS											
Side-Bottom		SB											
Top-Bottom		TB											
Top Mount		TM											
Not Applicable		NA											
Center to Center or Prob Length (mm)													
….. (mm, inside Diameter)			XXXX										
Process Connection:													
½"				I1									
¾"				I2									
1"				I3									
1 ½"				I4									
2"				I5									
Option				I6									
Operating Fluid Density (kg/m3)													
….. (Kg/m3)					XXX								
Connection Rating													
ANSI Class 150						A1							
ANSI Class 300						A2							
ANSI Class 600						A3							
ANSI Class 900						A4							
ANSI Class 1500						A5							
ANSI Class 2500						A6							
PN 10						P1							
PN 16						P2							
PN 25						P3							
PN 40						P4							
PN 63						P5							
PN 100						P6							
PN 160						P7							
NPT-Female						T1							
NPT-Male						T2							
G-Male						T3							
G-Female						T4							
Option						T5							

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Ordering Information

Chamber or Wetted Part Material							
Not Applicable	I0						
316 / 316L stainless	I1						
22 % Cr duplex	I4						
Alloy C276	I8						
PVC	P2						
Polyethylene	P4						
Other	P6						
Float Material							
316/316L stainless		I1					
304/304L stainless		I2					
PVC		P2					
Polypropylene		P5					
Other		P6					
Electrical Connection							
Aluminum Box with Gland			E1				
Stainless Steel Box with Gland			E2				
Fly Wire			E3				
Ex Aluminum Box with Gland			E4				
Ex Stainless Steel Box with Gland			E5				
Other			E6				
Switch							
1 SPST, Reed switch, 1A @ 24VDC				S2			
1 SPDT, Reed switch, 1A @ 24VDC				S3			
2 SPST, Reed switch, 1A @ 24VDC				S4			
2 SPDT, Reed switch, 1A @ 24VDC				S5			
1 SPDT, SNAP Action, 4A @ 24VDC				S6			
2 SPDT, SNAP Action, 4A @ 24VDC				S7			
Other				O1			
Isolating Vavle							
Not Applicable					0		
Gate Valve Stainless Steel					BC		
Ball Valve Stainless Steel					BS		
Other					O1		
Certification							
Material certificates						C0	
Material NACE MR0175						C1	
Material NACE MR0103						C2	
Internal Pressure Test						C3	
Others						C7	
Added requirements							
Manufactured to customer drawing							DW
Heated or Coling Jacket							HJ
Electrical Heat Trace							ET
Others							OT

Contact us

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