APSAN INDIA INSTRUMENTS Pvt Ltd

Manufacturer of Liquid Level Indicators & Sensors

Float Level Transmitter

We are introducing our Float Operated Level Transmitter, which is used to control liquid level in tanks containing corrosive or non corrosive liquid. It is used for continuous level measurement in the tank. It is a reliable technique for continuous level measurement of variety of liquids, chemically compatible with the transmitter MOC

Silent Features :

- Easy to install and compact design.
- Factory calibrated, ready to installation.
- Customized lengths Up to 3 meters.
- Optional of HART or RS 485 output.
- Reliable & accurate performance.

Construction & Working :

Float Operated Level Transmitter consists of non-magnetic sealed stem containing series of reed switches & resistors, float carrying magnet, flange & electronic circuit in enclosure.

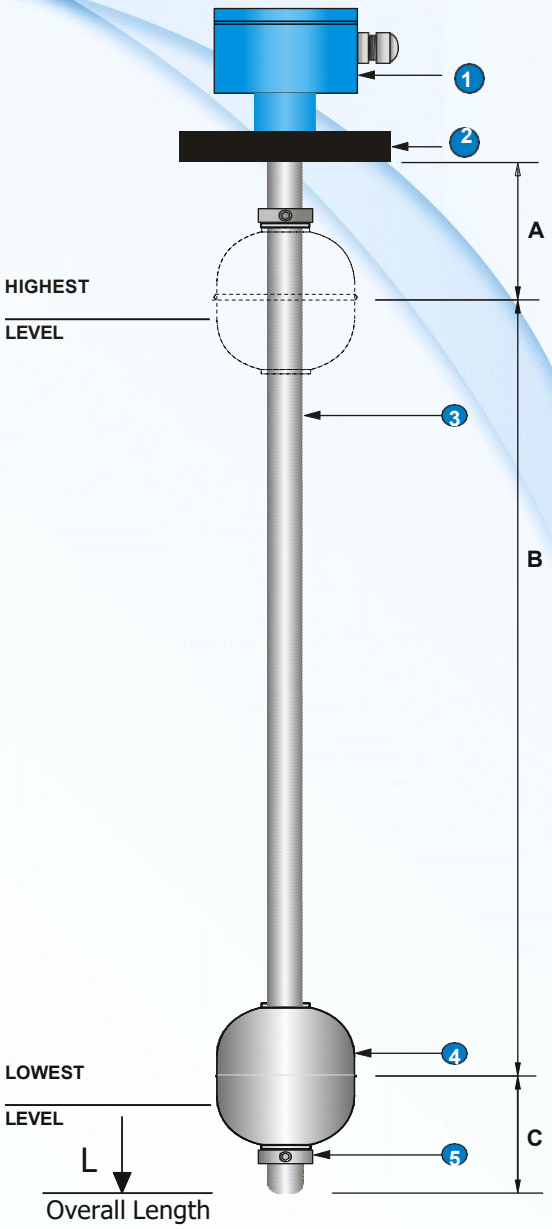
During rise and fall of liquid level, the magnetic float moves and actuates a reed switch and develops a proportional voltage. The sensed voltage is fed to the transmitter located in the enclosure for conversion to a signal of 4-20 mA, to use with PLC or DCS. Alternatively, the signal can be transmitted to a display unit for remote indication or to a display unit integral with transmitter for local indication.

Applications :

Consider our transmitters for all your continuous liquid level monitoring needs like Storage/ process tanks Water, diesel, lube oils, chemical and petrochemical liquids, Oils, Lube Oil Fuels,, Nitric Acid, 98% H_2SO_4, 33% HCL, Critical Inventory, Pressurized Vessels, Interface Applications, WTPs, STPs, ETPs, Nuclear Power Plants and Tank Gauging System for Ships.

Technical Specifications :

Level Transmitter Type	Float Level Transmitter
Maxi. Stem Length	0.5 to 3 Meters.
Measuring Range	Stem Length - (DT + DB)
Installation	Top
Resolution	±10 mm (standard), ±5 mm (Optional)
Enclosure	Al. Alloy Weatherproof /Flameproof
Cable Entry	PG11 or ½" NPT
Wetted Parts	SS304/316/316L, PP or PVDF
Float	SS316 x Ø40, Ø52; SS316L x Ø41; PP x Ø75; PVDF x Ø65
Liquid SG	0.8 to 1.2 depending on float size.
Process Connection	Screwed, Flanged or Triclover Ferrule
Max. Power Supply	24 VDC
Output	4-20 mA (2 wire) or 4-20 mA + HART (2 wire) or RS-485 MODBUS
Max. Load	400 Ohms
Max. Temperature	70°C (PP) / 100°C (PVDF) / 150 °C (SS)
Max. Test Pressure	2 Bar (PP/PVDF) / 10 Bar (SS)

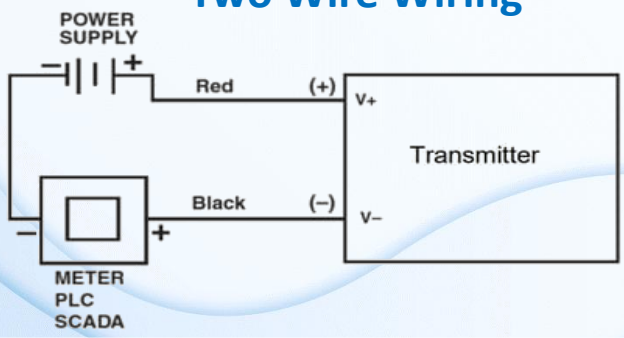


: 4 mA @ Lowest Level
: 20 mA @ Highest Level

A - Top Dead Band
B - Measuring Range
C - Bottom Dead Band

1-Electronic Housing
2- Mounting Flange
3- SS stem
4- SS Float
5- Float Stopper

Two Wire Wiring



Model Identification

FLT - [ ][ ][ ][ ][ ]

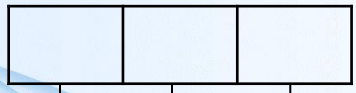
1. Stem Length in mm

2. Resolution	
Standard ±10 mm	**10**
±5 mm	**5**

3. Enclosures	
Cast Aluminium Weatherproof	**W**
Cast Aluminium Flameproof	**F**

4. Wetted Parts	
SS 304	**4**
SS 316	**6**
SS 316L	**L**
PP	**P**
PVDF	**D**
Other	**O**

5. Process Connection Size	
2”	**D**
2-1/2”	**E**
3”	**F**
Other	**O**



6. Process Connection Type	
ASME 150# Flange	**1**
TABLE D Flange	**2**
BSP (M) Screwed	**3**
Triclover Ferrule	**4**
Other	**O**

7. Process Connection Material	
CS	**H**
SS 304	**I**
SS 316	**J**
SS 316L	**K**
PP Cladding on CS	**L**
PVDF	**M**
Other	**O**

8. Output	
4-20 mA (2 wire)	**1**
4-20 mA with HART (2 wire)	**2**
RS - 485 MODBUS RTU	**3**

536/2 , J Block , Bhosari MIDC,Pune-411026
Email : apsanindia@gmail.com / sales@apsanindia.com
Web : www.apsanindia.com
Ph. : 99221 44884 / 73507 83078

MAKE IN INDIA