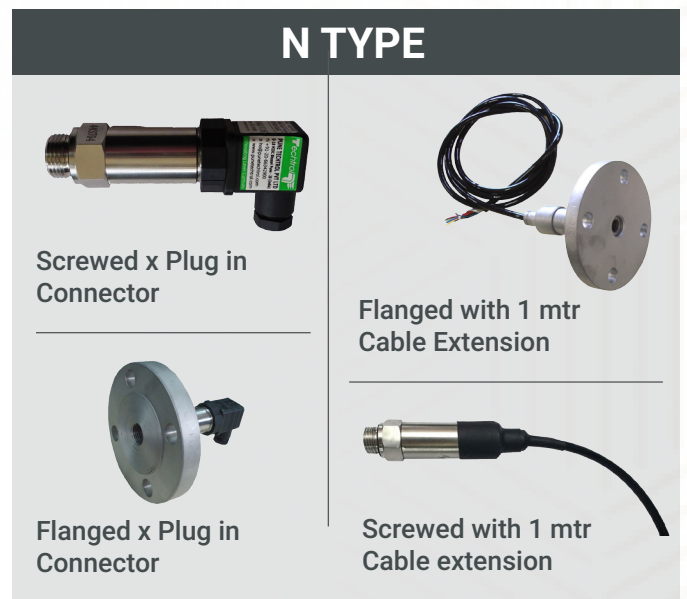


Hydrostatic Level Transmitter - HLT

HLT is an accurate & reliable transmitter for continuous level measurement of water & clean, non-aggressive liquids.

Salient Features

- High precision & stability
- Compact, rugged & corrosion resistant
- Cost effective with minimal maintenance.
- Easy to install, transport & handle
- Level range upto 100mtrs liquid column.
- Installation in tanks/wells with small bore diameter.
- Probe with Ingress Protection IP68

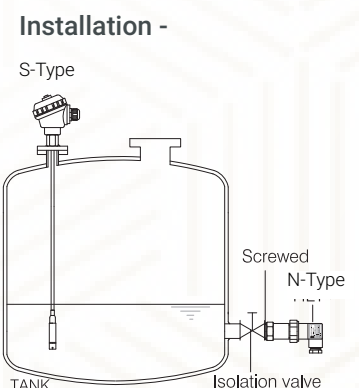


Construction & Operation

It consists of a piezo resistive pressure sensor and evaluation electronics integrated in a probe. The hydrostatic pressure of liquid column is sensed by the sensor and converted into linear current o/p of 4-20mA, scaled with formula $P = p \times H$, Where $P =$ Pressure, $p =$ SG of liquid, $H =$ liquid column. The output can be further configured with PLC/DCS or display instrument.

Available in submerged (S type) and non-submerged (N type)

1. S type is top mounted on tank and probe is submerged in liquid. It is provided with a specially designed cable fitted with vent tube for atmospheric compensation.
2. N type is side mounted to tank.



Specifications

Type	S type (Submersible)	N type (Non submersible)	
Measuring Ranges	0.5 200mtrs water (SG =1)		
Over Pressure Range	2 x Measuring Range		
Supply Voltage	12 - 28 VDC		
Output	4 - 20mA, 2 wire		
Accuracy	0.5% FS		
Load	< 500 Ohms		
Probe MOC	SS316		
Probe Protection	IP68	IP65	
Diaphragm MOC	SS316L		
Process Conn. (MOC)	SS304 or SS316		
Process Connection	1	1-1/2" BSP(M) screwed	½" BSP(M) screwed
	2	1-1/2" NB ANSI 150 # flange	
Termination x Cable Extention	1	Cable x (Length = MR +1 Mtr)	Cable Extn x(Length=1mtr)
	2	Enclosure IP 65 x (Length = MR)	Plug in connector
Additional Cable Extention	Provided on request		
Cable Type	PE insulated copper wire with PE jacket (Water resistant) PE insulated copper wire with PUR jacket (Oil resistant)		
Max. Temperature	70°C		
Accessories			
1. Junction Box	ABS IP65 (80 x 82 x 55)		
2. Ballast with Rope	SS316	NA	
3. Guide Pipe	1" GI	NA	
4. Isolation Valve	NA	1-1/2" NB ANSI 150 # Flanged Ball Valve	

Applications

- Level Monitoring in Tanks, Sumps, Reservoirs & Dam
- Ground Water Level Measurement (Borewells /Deepwells)
- Water Treatment Plants
- Diesel Storage Tanks
- Marine Ships (Fresh Water, Oil Tanks)
- Tank Gauging System

Model Identification

HLT -

Type

Submersible..... S
 Non submersible N

Termination

PE Jacketed Cable C
 PUR Jacketed Cable..... D
 Enclosure IP65(S Type) J
 Plug in Connector (N Type) P

Probe MOC

SS316..... S
 Others O

Process Connection MOC

Without W
 SS304..... N
 SS316..... S
 Others O

Process Connection

Without (S Type) W
 1-1/2" NB ASME 150# Flanged (Termination J & P) 1
 1-1/2" BSP (M) Screwed (S Type) 2
 1/2" BSP (M) Screwed (N Type) 3
 Others 0

Measuring Range

0.5,1,2.....200mtrs (corresponding to water) 0.5 --200

Accessories

Without W
 Junction Box..... J
 Ballast with Rope(S Type)..... B
 Guide Pipe (S Type) G
 Isolation Valve (N Type)..... I
 Others O

Ordering Information

Model No. x Liquid along with its SG x Operating Temperature & Pressure

All dimensions in mm except specified

PUNE TECHTROL PVT LTD

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