

HYDROSTATIC LEVEL TRANSMITTER

INTRODUCTION :

FITZER Hydrostatic Level Transmitter is accurate device for liquid level measurement based on hydrostatic pressure generated by liquid column. The column of liquid exerts a pressure at a given point proportional to height of the vessel. Changes in the pressure (head) also change. This change gives the proportionally output signal 4 - 20mA. This output signal is indicated on the local digital display unit in terms of engineering unit or percentage as required.

APPLICATION

- Liquid Level measurement in process Tanks / Vessels
- Milk and Dairy storage Tanks / Vessels
- Large water Reservoirs / Dams
- Level measurement of Raw Juice storage Tanks / Vessels
- Water level in river during monsoon

FEATURES

- Easy to install flange mounted or insertion type from top of the vessel, or submersible type can be hung from above the liquid surface.
- Cost effective compared to other available products in the market.
- Simple insertion metallic hollow pipe to generate hydrostatic pressure.
- Flexible cable type to move from place to place
- The sensing diaphragm being of SS 316 provides compatibility with majority of service liquids.
- Local indication in engg. Units helps the field operator to take appropriate corrective action in case of abnormality in level.
- Alarms are provided in the unit which can be used for audio / visual indications.

TYPES OF TRANSMITTERS

- **HLT - 808** - Insertion type top mounted hollow probe pipe with flanged or threaded connection.
- **HLT - 809** - Submersible type with flexible string attached to transmitter. This can be moved from place to place.
- **PT - 810** - Diaphragm Type Hydrostatic DP Level Transmitter for under Pressure Tank .



METALIC PROBE TYPE LEVEL TRANSMITTER

FITZER/HLT - 808

FITZER/HLT - 809



CABLE TYPE HYDROSTATIC LEVEL TRANSMITTER



FITZER / PT / 810

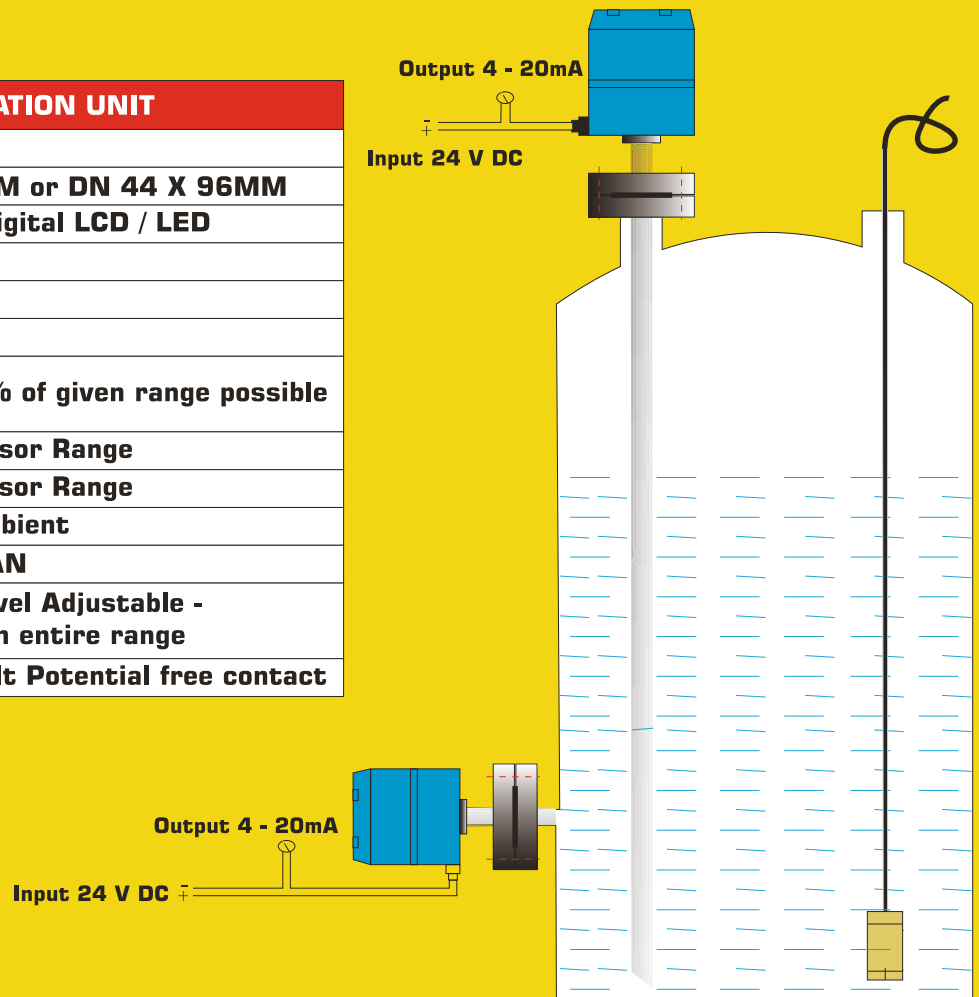
TECHNICAL SPECIFICATIONS

MODEL NO.	HLT 808	PT 810	HLT 809
Measuring Range	0 - 1000 mm upto 5000 mm	0 - 1000 mm upto 30 Mtrs. & above	0 - 1000 mm upto 30 Mtrs. & above
Probe (Hollow Pipe)	SS 304, SS 316, PP	-	-
Cable	-	-	Flexible Cable Type
Process Connection	Flanged OR Union Type	Diaphragm Sealed Flanged Type	-
Mounting	Top Mounted	Tank above Ground Level	Insertion Type
Encloser	Cast aluminium WP / FLP	Cast aluminium WP / FLP	-
Cable Grand			
Transmitter	2 Wire Type	2 Wire Type	2 Wire Type
Input	Hydrostatic Pressure	Hydrostatic Pressure	Hydrostatic Pressure
Output	4 - 20 mA	4 - 20 mA	4 - 20 mA
Supply	24 V dc	24 V dc	24 V dc
MOC			
Op. Temp.	Ambient upto 80° C	Ambient upto 60° C	Ambient upto 60° C
Tank Inside Pr.	Open to Atm.	Open to Atm.	Open to Atm.
Accuracy	±0.5% FSD	±0.5% FSD	±0.5% FSD

We provide Remote Diaphragm sealed with capillary for Higher Temperature application with Series HLT - 809

DIGITAL LEVEL INDICATION UNIT

Series	Dpl - 600
Size	DN 96 X 96MM or DN 44 X 96MM
Display	3 1/2 / 4 1/2 Digital LCD / LED
Supply	230 V AC
Input	4 - 20mA
Output	4 - 20mA
Zero Suppression / Elevation	-50% to +50% of given range possible
Range	Depend on Sensor Range
Resolution	Depend on Sensor Range
Op. Temperature	± 50 deg C Ambient
Accuracy	± 0.1% of SPAN
Alarm setting	High & Low Level Adjustable - 2 Nos. Through entire range
Alarm output	5 Amp 230 Volt Potential free contact



FITZER
INSTRUMENTS
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