HSLT - 22

HYDROSTATIC LEVEL TRANSMITTER

Features

- Piezo Resistive Sensor
- Measuring Range upto 500 mtrs.
- Pressure Range 0.4 to 50 bar
- Ingress Protection IP 68
- Overload–resistant
- Simultaneous measurement of level and temperature with optionally integrated PT100 temperature sensor
- 4 to 20mA output
- Suspension clamp, cable gland (Optional)
- Handy & maintenance free
- Reliable & cost effective

Description

BRIX series HSLT-22 are electronic Level transmitters for fast, easy & trouble free operation. These transmitters are designed to cover a majority of industrial applications. Electrical output in the form of 4–20 mA DC proportional to level is transmitted with operating voltage of 24 V DC. All wetted parts are stainless steel. A robust design for applications in wastewaters and sludges or a design free of metal with long–term stability for usage in salt water is also available.

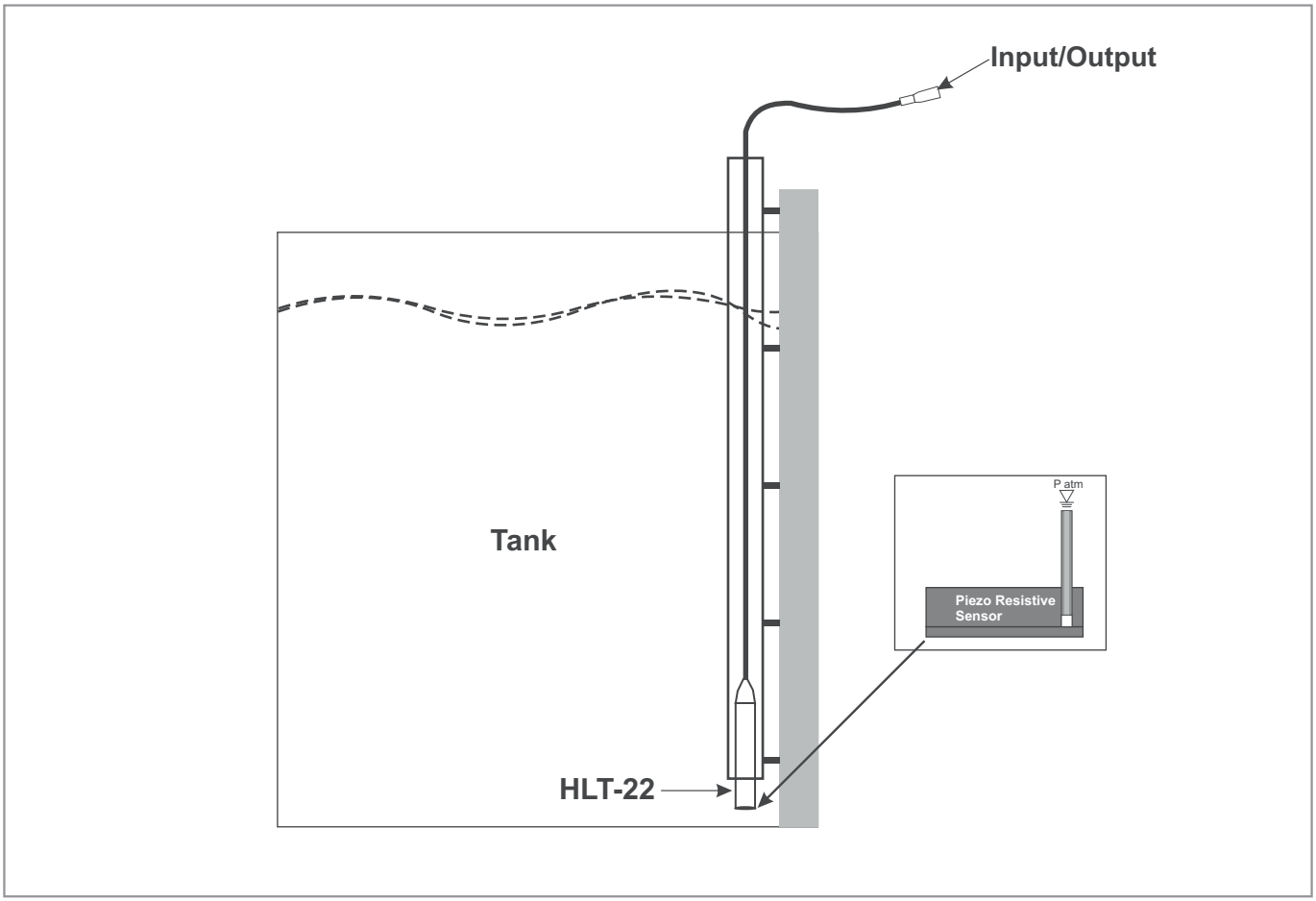
Technical Specifications

Sensor Type	Piezo Resistive
Max. Measuring Range	0 to 500 mtrs
Pressure Range	0.4 to 50 Bar
Output	4 – 20 mA DC, 2 wire
Output Load	600 Ohm
Accuracy	± 0.25% F. S.
Over Pressure Safety	1.5 times max. Pressure range
Burst Pressure	2 times max. Pressure range
Process Temperature	90 °C
Power Supply	24 V DC, External
Over Voltage Protection	36 V DC
Response Time	< 10 mSec for 90% of output
Non Linearity	< 0.2% of SPAN
Non Repeatability	< 0.1% of SPAN
Dielectric Strength	500 VDC
Material of Construction	All wetted parts SS 316
Case	SS 316 with IP 68 Ingress Protection
Operating Conditions	Temperature 0 to 55 ɛC / Humidity 5 to 95% non condensing
Process connections	Suspension clamp, cable gland
Optional	1) Integrated temperature sensor Pt100, 3–wire
	2) Customer specific cable marking

Measuring Principle

The Piezo Resistive Sensor is a dry measuring cell, i.e. pressure acts directly on the piezo resistive isolating diaphragm of the HLT–22. Any changes in the air pressure are routed through the extension cable via a pressure compensation tube to the rear of the piezo resistive isolating diaphragm and compensated for. A pressure dependent change in capacitance caused by the movement of the process isolating diaphragm is measured at the electrodes of the ceramic carrier. The electronics then convert this into a signal which is proportional to the pressure and is linear to the level of the medium.

Installation Drawing



Ordering Information

Sample Order Code : A2 | B1

Parameter		Code	Description
A	Process Connection	A1	Cable Gland
		A2	Suspension Clamp

Note :
- Due to our continuous product revisions, design specification and model numbers are subject to change without notice.
- Accuracy defined at Lab Conditions.
- For other requirement please consult factory.

Parameter		Code	Description
B	Pressure Range Code	B1	2 psi
		B2	6 psi
		B3	30 psi
		B4	100 psi
		B5	300 psi
		B6	600 psi

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