

SALIENT FEATURES

- Piezo Resistive Sensor
- Measuring Range upto 10 mtrs.
- Pressure Range 0.4 to 40 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

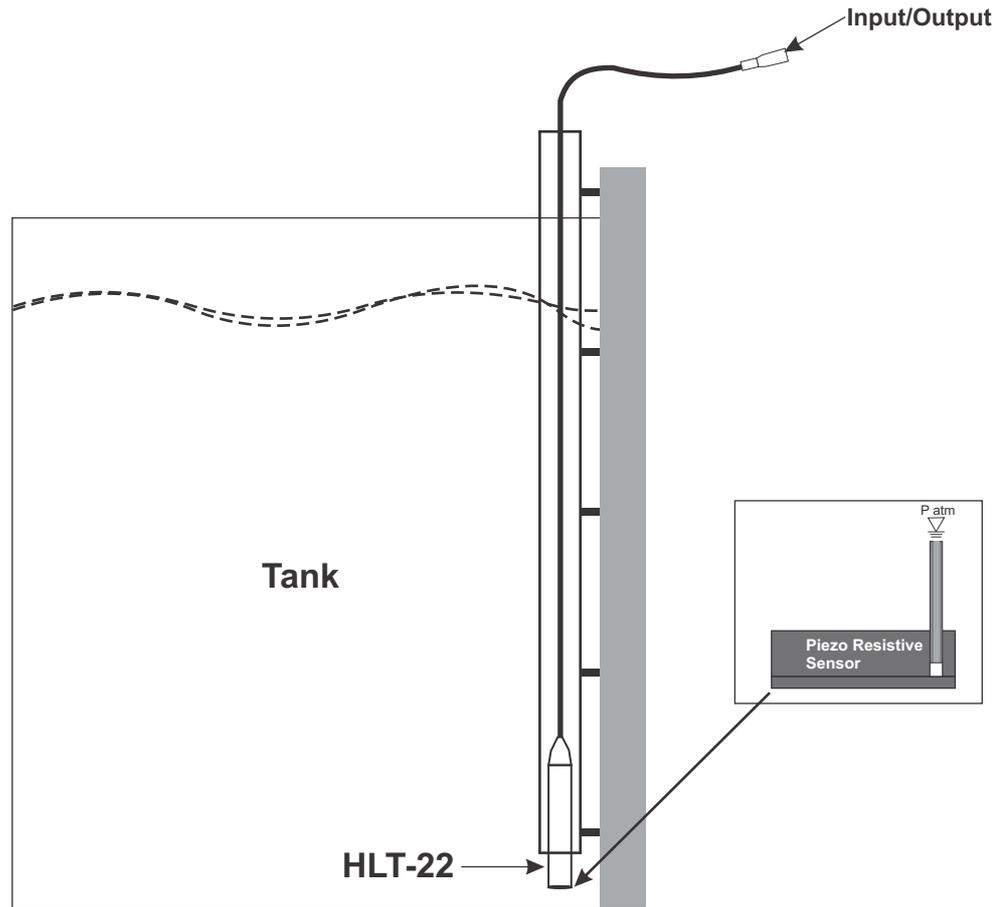
Electronet series **HLT-22** are electronic Level transmitters for fast, easy & trouble free operation. These transmitters are designed to cover a majority of industrial applications. Electrical output in the form of 4-20 mA DC proportional to level is transmitted with operating voltage of 24 V DC. All 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 10 mtrs
Pressure Range	:	0.4 to 40 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 °C / 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.



ORDERING INFORMATION

			8	600 psi
			7	300 psi
			6	100 psi
			5	30 psi
	02	Suspension Clamp	4	6 psi
	01	Cable Gland	3	2 psi
SERIES	Process Connection		Pressure Range Code	
HLT-22	A	02	B	4

*Due to our continuous product revisions, Design, Specifications and Model Number are subject to change without notice.

*Accuracy defined at lab conditions. *Draft Range available on request ($\pm 200\text{mmWC}$)

Authorised Dealer



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