Fluid Sensors
Level Sensor Hydrostatic Level

Detailed Technical Data
Model: HLT Series

Features

Medium	Water/fluids
Sensor type	Hydrostatic submersible level transmitter
Orientation	Vertical
Environment type	Non-hazardous
Environment	IP68, submerged
Purpose	General use / industrial
Operation	Measure liquid pressure for liquid depth
Pressure range	0-15 psig
Water depth range	0-34.6 ft of water column
Certifications	CE



Mechanical

Housing construction	316L SS
Fittings connection sizes	Integral cable provided
Cable length	60 ft (18.3m)
Measuring diaphragm MOC	316 SS w/protective polyamide cap
Sensor dimensions	0.825” D X 2.66”L
Sensor weight	1.85 lbs
Cable MOC	Polyethylene jacketed shielded cable w/atmos. vent tube
Wetted MOC	316SS, EPDM, polyethylene, polyamide
Operating temperature range	-4 to 140° F (-20 to 60°C)
Compensated temperature range	32 to 122° F (0 to 50°C)
Other depths available	0-5 psig (30 ft / 9.1m), 0-50 psig (140 ft / 42.7m)

Electronics

Supply voltage	8-32 VDC
Output	4-20mA
Load resistance	<(supply-8V)/0.022A
Wire size	26 AWG

The HLT Series hydrostatic submersible level transmitters provide continuous liquid level measurement by sensing the hydrostatic pressure produced by the height of liquid above the sensor and providing a 4-20 mA output signal compatible with the Intell-i-Watch systems.

The HLT series is a very economical continuous level sensing solution for water applications where overall small size, weight, and very low cost are required.

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