

L8000T

Level Sensor

Overview

LT8000T series liquid level sensors, with its built-in pressure sensor, convert its measured pressure value to a standard current signal out which corresponds to the level of the liquid.

Applications

Level measurement in:-

- HVAC
- Underground utility tunnel
- Wastewater treatment plant
- Water pool, well and etc.



Features

- Cable length options
- Protection class IP68
- 4-20mA signal output
- High accuracy
- Easy operation
- Wide range of applications

Physical

Housing material	Stainless steel
Membrane	Stainless steel
Rubber	Nitrile rubber

Environmental

Protection class	IP68
Certification	CE

Technical Specifications

Performance

Measurement range	1, 2, 3, 5, 10, 20, 50m
Over-pressure	1.5 FS
Medium temperature	-10~80 °C

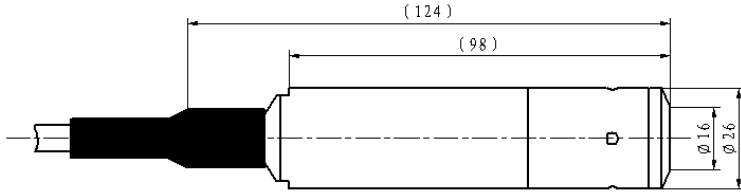
Electrical

Operating voltage	15~28 VDC
Signal output	4-20 mA

Sensor Characteristics

Measuring Range	1m	2m	3m	5m	10m	20m	50m
Over-pressure	1.5FS						
Nonlinearity	±0.25%FS						±0.15%FS
Repeatability	0.15%FS						
Hysteresis	0.15%FS						
Accuracy	±0.75% FS	±0.5% FS		±0.25% FS		±0.2% FS	
Long-term stability	±20mmH2O					0.2% FS /year	
Zero drift	0.05% FS/°C	0.04% FS/°C		0.03%FS/°C		0.02% FS/°C	
Sensitivity drift	0. FS/°C						
Cable length	Measuring range plus 2 meters by default						

Dimensions (mm)



Wiring

Cable color	Electrical definition
Black	Positive (+V)
Red	Negative (0V/+OUT)

Ordering Part Numbers

Part number	Description
L8000T001	Level sensor, -10 ~ +80 °C, 4-20mA, 1m measuring range
L8000T002	Level sensor, -10 ~ +80 °C, 4-20mA, 2m measuring range
L8000T003	Level sensor, -10 ~ +80 °C, 4-20mA, 3m measuring range
L8000T005	Level sensor, -10 ~ +80 °C, 4-20mA, 5m measuring range
L8000T010	Level sensor, -10 ~ +80 °C, 4-20mA, 10m measuring range
L8000T020	Level sensor, -10 ~ +80 °C, 4-20mA, 15m measuring range
L8000T050	Level sensor, -10 ~ +80 °C, 4-20mA, 20m measuring range

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