

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

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

Physical

- Housing material Stainless steel
- Membrane Stainless steel
- Rubber Nitrile rubber

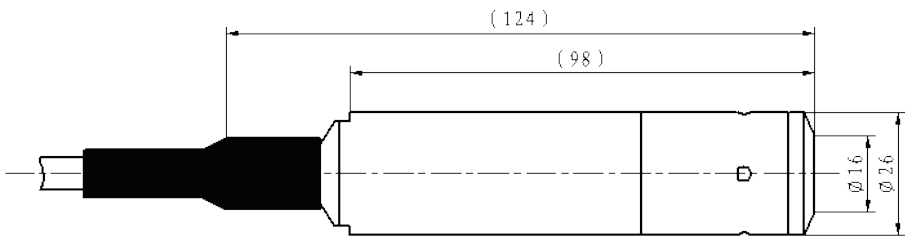
Environmental

- Protection class IP68
- Certification CE

Sensor Characteristics

Measuring Range	1m	2m	3m	5m	10m	20m	50m
Over-pressure	1.5FS						
Non-linearity	±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 (OV/+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

For more information,
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