

LT10SR-2316 Submersible Level Transmitter

Introduction

LT10SR-2316 level transducer is made by build-in a high accurate and reliable OEM gauge sensor into stainless steel housing. The top steel cap could protect sensor diaphragm and let liquid media go through unobstructed. The cable which has vented tube in connects with housing sealed, making sensor connecting to the atmosphere to make sure measurement precise. The transducer could be widely used for city water supply and drainage, water or oil tank, hydrology, reservoir, riverway and ocean, etc.

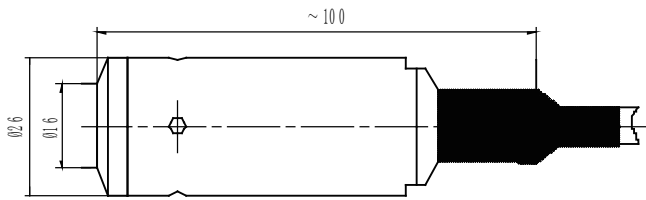


Features

- Full stainless steel sealed construction;
- Submersible measurement;
- Constant current supply;
- Laser trimming compensating zero and span thermal error;
- Using high reliable and stable solid piezoresistive pressure cell;
- Water-proof and oil-proof cable.

@1.5mADC, 25°C	
Pressure range	0~1m...200m H ₂ O
Overpressure	1.5 times FS
Power supply	1.5mADC
Zero output	<±2mVDC
FS output	≥70mVDC or ≥25mVDC(range<2mH ₂ O)
Accuracy	±0.1%FS(min.) ±0.25%FS(typ.) ±0.5%FS(max.)
Long-term stability	±0.3%FS/year
Compensation temp.	0°C ~50°C
Operation temp.	-10°C ~70°C
Storage temp.	-20°C ~85°C
Zero temp. coefficient	≤±0.02%FS/°C
FS temp. coefficient	≤±0.02%FS/°C
Housing	Stainless steel 1Cr18Ni9Ti
Diaphragm	Stainless steel 316L
O-ring	Viton
Cable	Φ7.2mm PVC
Response time (10%~90%)	≤1ms
Insulation resistor	100MΩ, 100VDC
Protection	IP68

Outline Construction (Unit: mm)



Electrical Connection

Cable color	Connection
Black	+IN
Yellow(Green)	-IN
White	-IN
Red	+OUT
Blue	-OUT

Order Guide

LT10SR-2316		Submersible level Transmitter	
	Range	Pressure range: 0~1m...200m H ₂ O	
	[0~XmH ₂ O]L	X:actual measurement range L: cable length suggested L-X=(1~2)m	
		Code	Others
		F1	Fixed flange
LT10SR-2316	[0~3mH ₂ O]10	F1	the whole spec

Notes

- 1.5m cable is free of charge; the extra cable should be paid additionally.
- For dimension and installation method of F1 fixed flange, please pay attention to LT10SR-2316 W/ WK/WRK submersible level transmitter datasheet.
- If the sensor have four wires, no white wire, the rest wires definition remains the same.