

Submersible Level Transmitter

SL5

Features

- ▶ Allows for VFD and PLC pump control integration
- ▶ Narrow 0.75" diameter to fit in 1" schedule 120 and schedule 80 PVC to help reduce installation costs
- ▶ Compact housing with rounded nose cone for hassle-free installation (6.5 inch [16.5 cm] length)
- ▶ Removable nose cone for visual inspection of sensor
- ▶ Field replaceable sensor reduces maintenance costs when cable can be reused
- ▶ Mass of nose cone can be modified based on media specific gravity
- ▶ All 316L stainless steel construction with polyurethane jacketed cable
- ▶ Assembled in the USA

Applications

- ▶ Groundwater level monitoring
- ▶ Storage Tanks
- ▶ Agricultural Irrigation Systems
- ▶ Lift Stations/Wet Wells
- ▶ Surface Water Monitoring
- ▶ Environmental Monitoring/Remediation
- ▶ Wastewater Tanks, Basins and Clarifiers
- ▶ Landfill Leachate Monitoring
- ▶ Water Flow Measurement
- ▶ Oceanographic Depth Monitoring



General Specifications*

Supply:	8-33 VDC
Output:	4 to 20 mA, loop powered
Pressure Range:	0 to 500 psi, (1,150 ft [350 m])
Operating Temperature:	-40 to 176 °F (-40 to 80 °C)
Compensated Temperature Range:	-4 to 176 °F (-20 to 80°C)
Accuracy (BFSL@25°C)	± .25% FSO
Proof Pressure	2X Typical (Consult factory for specific pressure ranges)
Zero Offset	± 1% FSO
Span Offset	± 1% FSO
Long-Term Stability	± 0.2% FSO (per year, typical)
Response Time	< 5 ms

* See product configurator for additional options.

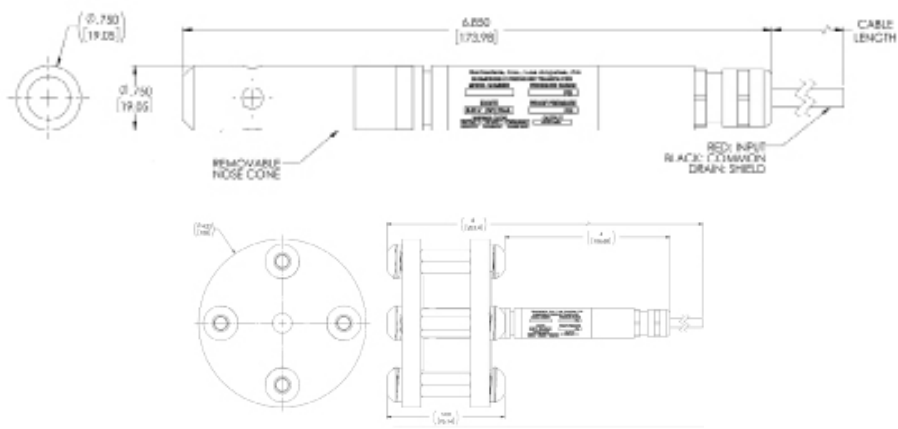
Environmental Specifications

Storage Temperature	-40 to 212 °F (-40 to 100 °C)
Wetted Materials	316L Stainless Steel, Polyurethane Cable Jacket ³
Ingress Protection	IP68
Reverse Polarity	Yes
Enclosure	316L Stainless Steel
Compliance	REACH, RoHS, CE
Weight	0.8lb (0.4Kg) Approximately

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Technical Drawing



Product Configurator

Series

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4-20 mA analog output

Pressure Range

PRESSURE CALL OUT (-XX)	PRESSURE RANGE (PSI)	FEET OF WATER
-25	0-5 psi	12
-38	0-7 psi	16
-01	0-15 psi	35
-39	0-25 psi	58
-21	0-30 psi	70
-40	0-36 psi	83
-03	0-50 psi	116
-22	0-60 psi	139
-41	0-87 psi	201
-04	0-100 psi	231
-05	0-150 psi	347
-06	0-200 psi	462
-42	0-230 psi	531
-07	0-300 psi	693
-43	0-360 psi	832
-08	0-500 psi	1155

Pressure Unit and Type

G	PSI - Gauge pressure ⁴
A	PSI - Absolute pressure

Cable Length

-YYYY

Cable length shown as YYYY (for example 30 denotes 30 feet length cable) max cable length offered is 400 M (1300 feet)

Options

-SXXY	Special pressure range
-F ⁵	Flush mount sensor design
-P	Sensor protective cage

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-XX

-G

-YYYY

-SXXY

1. Pressure ranges are indicated as XXG or XXA (for example, 30G for a 30 psi unit) sealed gauge units are denoted with 'G,' and absolute units are denoted with 'A'.
2. Add suffix SXXY for special pressure range calibration. XX= significant digits. Y= number of trailing zeros. Example: 130 psi calibration: add -S131
3. Consult factory for custom cable material requirement.
4. Lower ranges will have a vented cable.
5. 'F' Option available for pressure ranges below 50 psi.