Submersible Level Transmitter

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
- Flush mount sensor with protective cage available



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.

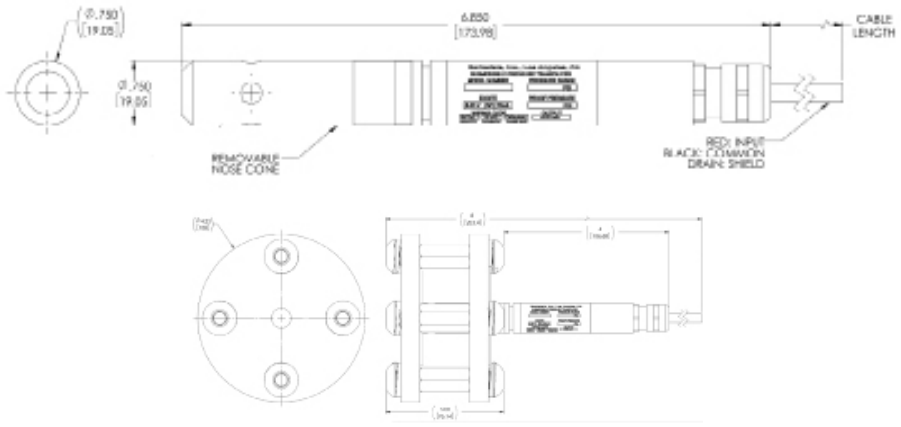
Environmental Specifications

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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Submersible Level Transmitter

Technical Drawing



Product Configurator

SL5	-XX	-G	-YYYY	-SXXY

Series

SL5	4-20 mA analog output

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)

Pressure Range

-27	0-1 psi	0-0.1 BAR
-25	0-5 psi	0-0.35 BAR
-38	0-7 psi	0-0.5 BAR
-01	0-15 psi	0-1 BAR
-39	0-25 psi	0-1.6 BAR
-21	0-30 psi	0-2 BAR
-40	0-36 psi	0-2.5 BAR
-03	0-50 psi	0-3 BAR
-22	0-60 psi	0-4 BAR
-41	0-87 psi	0-6 BAR
-04	0-100 psi	0-7 BAR
-05	0-150 psi	0-10 BAR
-06	0-200 psi	0-15 BAR
-42	0-230 psi	0-16 BAR
-07	0-300 psi	0-20 BAR
-43	0-360 psi	0-25 BAR
-08	0-500 psi	0-35 BAR

Pressure Unit and Type

G	PSI - Gauge pressure [4]
A	PSI - Absolute pressure

Options

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

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.

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