# 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 |

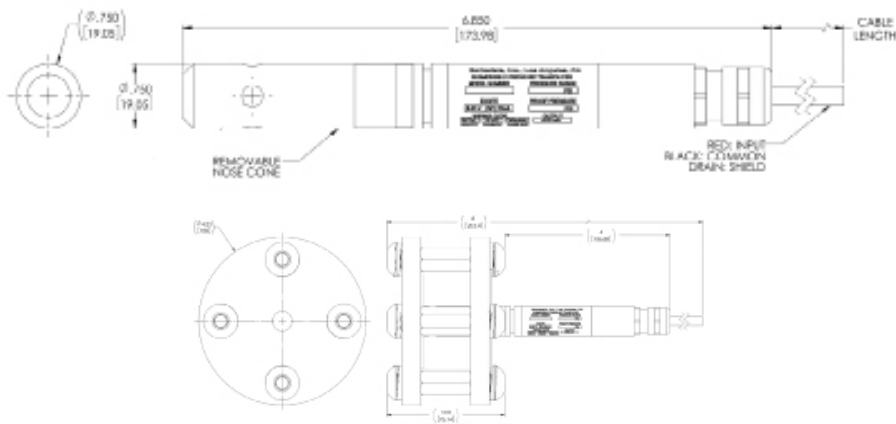* See product configurator for additional options.

## 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 |

# Submersible Level Transmitter

# SL5

## 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

| 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 |

### Options

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

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.