

# 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
- ▶ Smoothly rounded nose cone with short 6.5" housing length to prevent sticking on PVC pipe connections during installation
- ▶ 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
- ▶ Weir Flow Measurement
- ▶ Oceanographic Depth Monitoring



## General Specifications\*

|                                |                                                           |
|--------------------------------|-----------------------------------------------------------|
| Supply:                        | 8-33 VDC                                                  |
| Output:                        | 4 to 20 mA, loop powered                                  |
| Pressure Range:                | 0 to 500 psi, (2,150 ft [350 m])                          |
| Operating Temperature:         | -40 to 212 °F (-40 to 100 °C)                             |
| Compensated Temperature Range: | -4 to 176 °F (-20 TO 80°C)                                |
| Accuracy (BFSL@25°C)           | ± .25% FS                                                 |
| 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                                                    |

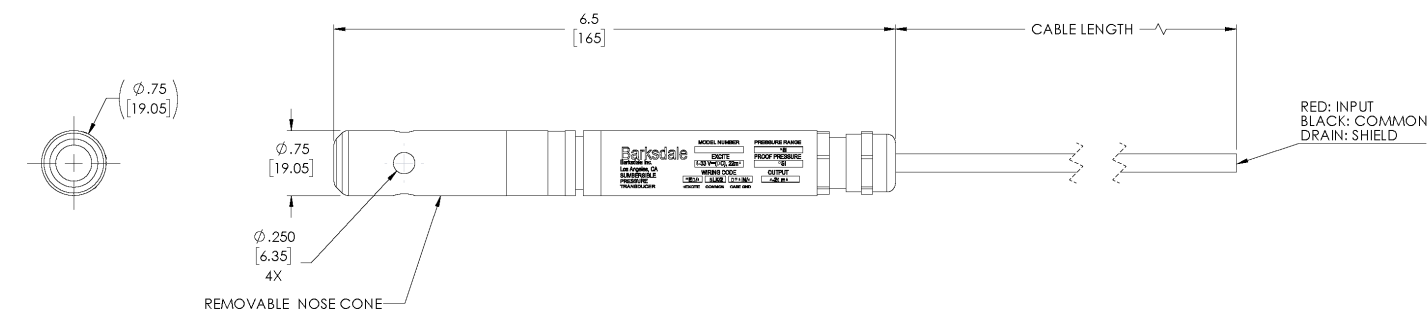
\* See product configurator for additional options.

## Environmental Specifications

|                     |                                            |
|---------------------|--------------------------------------------|
| Storage Temperature | -40 to 212 °F (-40 to 100 °C)              |
| Media Temperature   | Recommended 32°F to 212°F ( 0°C to 100°C). |
| Wetted Materials    | 316L, Polyurethane Cable Jacket            |
| 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 SL5 4-20 mA analog output

Pressure Range

| Pressure Range | Pressure Unit and Type |
|----------------|------------------------|
| -27            | 0-1 psi                |
| -25            | 0-5 psi                |
| -38            | 0-7 psi                |
| -01            | 0-15 psi               |
| -39            | 0-25 psi               |
| -21            | 0-30 psi               |
| -40            | 0-36 psi               |
| -03            | 0-50 psi               |
| -22            | 0-60 psi               |
| -41            | 0-87 psi               |
| -04            | 0-100 psi              |
| -05            | 0-150 psi              |
| -06            | 0-200 psi              |
| -42            | 0-230 psi              |
| -07            | 0-300 psi              |
| -43            | 0-360 psi              |
| -08            | 0-500 psi              |

Pressure Unit and Type

| Pressure Unit and Type | Pressure Unit and Type                 |
|------------------------|----------------------------------------|
| G                      | PSI - Sealed gauge pressure (standard) |
| A                      | PSI - Absolute pressure                |

Cable Length

-YYYY

Cable length shown as YYYY (for example 0030 denotes 30 feet length cable) max cable length offered is 400 M (1300 feet)

Options

| Options | Options                |
|---------|------------------------|
| -SXXY   | Special pressure range |
| -B      | Sludge guard           |

SL5 -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