Submersible Pressure Transducer

Features

- ▶ Allows for VFD and on/off pump control integration
- ▶ Narrow .75" diameter to fit in 1" schedule 120 and schedule 80 PVC to help reduce commissioning costs
- ▶ Vent tube (optional), reducing risk of water intrusion damage
- ▶ Removable pressure port cone to remove debris and clogs
- ▶ Removable Cable
- ▶ 316L construction with poly jacketed cable
- ▶ Manufactured in the USA
- ▶ Nose-cone size (mass) can be modified allowing for flexibility for different specific gravities/fluids
- ▶ Smoothly rounded nose cone with short 6.5" housing length to prevent sticking on PVC pipe connections during installation

Applications

- ▶ Ground water level monitoring
- ▶ Tank level monitoring
- ▶ Agricultural Wells
- ▶ Water tanks
- ▶ Pumping stations

General Specifications*

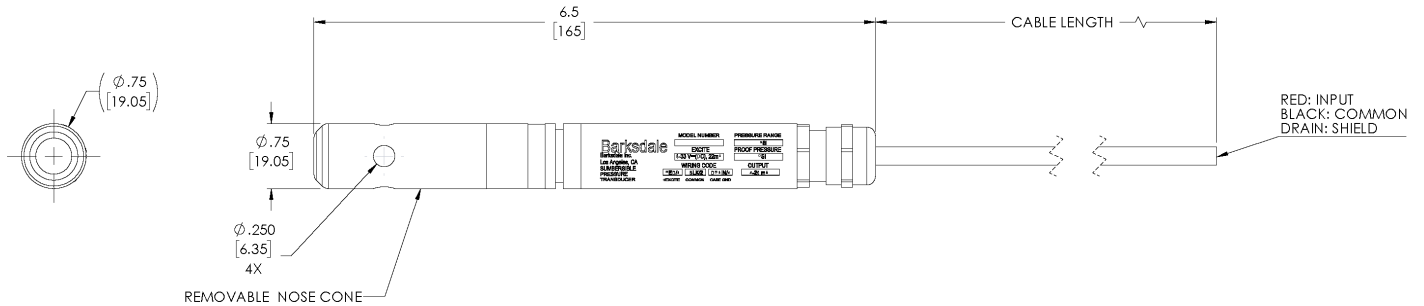|	
Supply:	8-33 VDC
Output:	4 to 20 mA
Pressure Range:	0 to 500 psi
Operating Temperature:	40 to 212 °F (-40 to 100 °C)
Compensated Temperature Range:	-4 to 176 °F (-20 TO 80°C)
Accuracy (BFSL@25°C)	± .25% FS
Proof Pressure	2X Typical (Consult factory for specific pressure ranges)
Zero Offset	± 1% FSO
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). Freeze protection required for lower temperature
Wetted Materials	316L, Polyurethane Cable Jacket
Ingress Protection	IP68
Reverse Polarity	Yes
Enclosure	316L
Compliance	REACH, RoHS, CE
Weight	0.8lb (0.4Kg) Approximately
Media Compatibility	Groundwater

Submersible Pressure Transducer

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 0030 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 - Sealed gauge pressure (standard)
A	PSI - Absolute pressure

Options

-SXXY	Special pressure range
-B	Bird cage nose

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