Model 260TSB

Submersible Level Transmitter

Model 260TSB

Applications

- Tanks
- Vessels
- Basins
- Waste Water
- Rivers and Lakes
- Salt Water

Features

- Ranges from 0–40 in. H_2O thru 0 to 300 psi
- 4–20mA and 0–10Vdc Standard Industrial Output Signals
- Zero Point adjustment can be made using permanent magnet
- 4:1 Turndown with optional programming tool
- PUR–cable has integral capillary tube for relative pressure balancing (includes GORE–TEX® filter)
- Stainless steel wetted parts with plastic cap (316L available)
- 316L stainless steel body
- Protection Class IP68 / NEMA 6P

The **TRERICE 260TSB** "Submersible Transmitter" provides level measurement of tanks, basins and cisterns. By use of the optional programming tool this transmitter provides 4 to 1 turn down and adjustable zero-point & span, allowing for multiple units of measure.

The stainless membrane is completely vacuum-sealed, extremely burst resistant and is applicable for use with a variety of process mediums. Stainless steel wetted parts provide long-term durability even in the harshest environments.

Specifications

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Sensor Element Capsule Type - Thin film resistors on a Silicon Membrane, Oil-Filled, Stainless Steel Diaphragm

Process Connection Direct Submersion
No Process Attachment

Materials of Construction
Housing: 316L stainless steel
Wetted Parts: 316L stainless steel,
Plastic Sensor Cover (316L Cover Optional)
Polyurethane (PUR) Cable

Pressure Transmission Liquid Silicone Oil

	BFSL	Full Scale
Accuracy at 77° F (25°C)	0.35%	0.50%
Non-Linearity:	0.15%	0.30%
Hysteresis:	0.10%	0.10%
Repeatability:	0.10%	0.10%

Operating Temperature Ranges
Medium: +14/+158°F (-10/+70°C)
Ambient: +14/+158°F (-10/+70°C)

Temperature Error Band
Temperature compensated to within 1% between 14°F to 158°F (-10 to +70°C)

Humidity Fully Submersible

Electronic Connection
PUR (Polyurethane) Cable
FEP (Flourinated-Ethylene-Propylene) Cable

Output Signal
4-20mA (2 wire) and 0-10Vdc (3 wire)

Overpressure Limit

Ranges ≤ 3 psi at least:	2.5 x FS
burst pressure at least:	6 x FS
5-300 psi at least:	1.5 x FS
burst pressure at least:	2.9 x FS

Response Time (10-90%) < 4 ms

Power Supply

Output Signal:	Minimum	Maximum	Recommended
4-20mA:	10Vdc	32Vdc	24Vdc
0-10Vdc:	12Vdc	32Vdc	24Vdc

Load Resistance 4-20mA: $\leq \frac{V_{SUPPLY} - 10\ Vdc}{0.02\ A}$
0-10 Vdc: > 5 kOhm

Circuit Protection
Protected against reverse polarity and short circuits

CE Conformity RoHS2 Directive 2011/65/EU
EMC Directive: 2014/30/EU - PED Directive: 2014/68/EU
Applied standards: EN 61326-1:2013, EN 61326-2-3:2013

Ingress Protection Rating IP68 / NEMA 6P

Approximate Shipping Weight 0.5 lbs (0.23kg)

HOW TO ORDER

Sample Order Number: **260TSB C U 0/300 E4 100 3**

Model	Accuracy	Units of Measure	Range Code	Electrical Connection	Cable Length	Output Signal
260TSB	**C** 0.5% FS (0.35% BFSL)	**U** in H_2O **A** psi	See Standard Ranges	**E4** PUR Cable **E6** FEP Cable	Specify Length in Feet (ie., 600 ft. max)	**3** 4-20mA (2-wire) **2** 0-10 Vdc (3-wire)

Multiple electrical connections, output signals and process connections are available. Please consult factory.

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TRERICE

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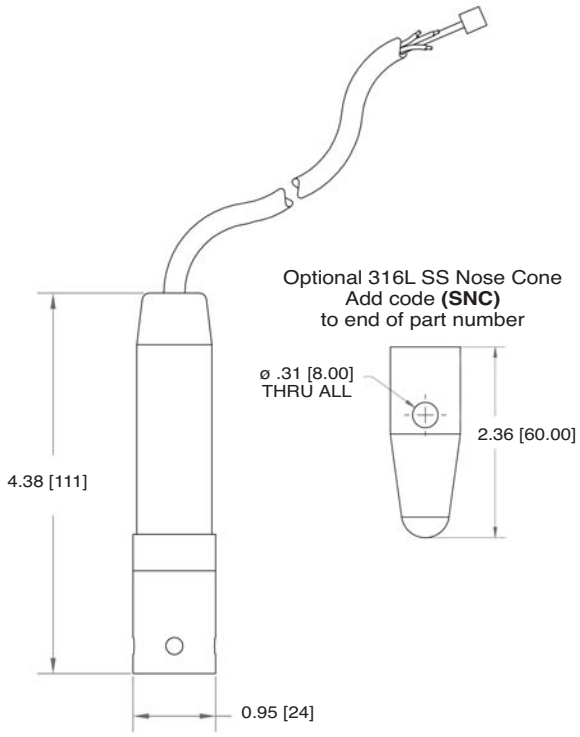
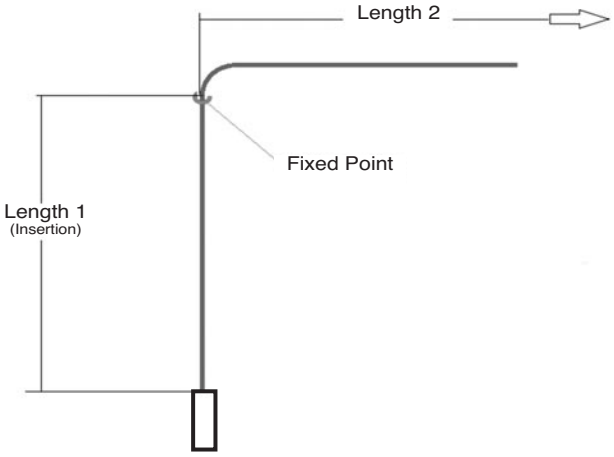
All dimensions are nominal.
Dimensions in [ ] are in millimeters.





Maximum Cable Lengths

Code	Cable Material	Max. Cable (length 1)	Max. Cable (length 2)
E4	PUR (Polyurethane)	65 feet (20 m)	535 feet (165 m)
E6	FEP (Flourinated-Ethylene-Propylene)	100 feet (30 m)	500 feet (150 m)

Standard Ranges

in. H_2O Ranges (U)			
Range Code	**Specific Range**	**Overpressure Limit**	**Burst Pressure**
0/40	0 to 40 in. H_2O	100 in. H_2O	240 in. H_2O
0/60	0 to 60 in. H_2O	150 in. H_2O	360 in. H_2O
0/100	0 to 100 in. H_2O	250 in. H_2O	600 in. H_2O
0/160	0 to 160 in. H_2O	400 in. H_2O	960 in. H_2O
0/200	0 to 200 in. H_2O	500 in. H_2O	1200 in. H_2O
0/300	0 to 300 in. H_2O	750 in. H_2O	1800 in. H_2O

psi Ranges (A)			
Range Code	**Specific Range**	**Overpressure Limit**	**Burst Pressure**
0/3	0 to 3 psi	8 psi	18 psi
0/5	0 to 5 psi	7 psi	14 psi
010	0 to 10 psi	15 psi	29 psi
0/15	0 to 15 psi	22 psi	43 psi
0/30	0 to 30 psi	45 psi	87 psi
0/60	0 to 60 psi	90 psi	174 psi
0/100	0 to 100 psi	150 psi	290 psi
0/160	0 to 160 psi	240 psi	464 psi
0/200	0 to 200 psi	300 psi	580 psi
0/300	0 to 300 psi	450 psi	870 psi

Actual working pressures should never exceed the “Specific Range” or the maximum process connection rating. “Overpressure Limits” and “Burst Pressures” shown refer to the sensor or body of the transmitter and are for reference purposes only. For correct use and application See: ASTM F2070-00.