



# Industrial Pressure Transmitters

## 220 Series

Standard Pressure Transmitters for General Industrial Use

<b>220TST</b>	Standard Pressure Transmitter – Certified for Fire Protection	2
<b>222THP</b>	High Pressure Transmitter – Ranges up to 60,000 psi	4
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## 230 Series

Precision Programmable Transmitters provide 4 to 1 turndown as well as adjustable zero-point & span

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## 260 Series

Submersible Level Transmitters for direct immersion in Tanks, Basins and Lakes. Precision electronics are programmable and provide 4 to 1 turndown and adjustable zero-point & span

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Trerice Pressure Transmitters are the ideal choice for demanding industrial, test & measurement and process control applications. The modular design of Trerice Pressure Transmitters allows for a wide variety of electrical connections, output signals and process connections to be specified to meet any application

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Transmitters Rev-1

# Model 220TST

## Standard Pressure Transmitter



Model 220TST

### Applications

- Industrial Environments
- Fire Protection
- Hydraulic Systems
- Commercial / HVAC
- Process Automation
- Pump System Control
- Testing Technologies

### Features

- Ranges from 30" Hg to 0 thru 0 to 15,000 psi
- 4-20mA and 0-10Vdc Standard Industrial Output Signals
- Fully welded "Dry Measuring Cell", requires no internal transmission fluid or seals
- 17-4 PH stainless steel wetted parts
- 304 stainless steel body
- Industry standard electrical connections including DIN 175301-803A, Shielded Cable and M12 (S7243) 4 pin
- Highly flexible modular design
- Rated for Fire Protection Equipment

The **TRERICE 220TST** Pressure Transmitter is the ideal choice for demanding industrial, test & measurement, process control and fire protection applications. Thanks to the stainless steel/thin-film sensor element being directly welded to the process connection, the 220TST requires no internal transmission media or seals insuring a high degree of reliability and stability. Stainless steel wetted parts provide long-term durability even in the harshest environments.

In addition, the modular design of the 220TST Pressure Transmitter allows for a wide variety of electrical connections, output signals and process connections to be specified to meet the requirements of any application.

### Specifications

<b>Model</b>	<b>220TST • Standard Transmitter</b>		
<b>Sensor Element</b>	Thin film resistors directly deposited on a Stainless Steel Diaphragm		
<b>Process Connection</b>	1/4 or 1/2 NPT male		
<b>Materials of Construction</b>			
Housing:	304 stainless steel		
Wetted Parts:	17-4 PH stainless steel		
<b>Accuracy at 77° F (25°C)</b>	<b>BFSL</b>	<b>Full Scale</b>	
Non-Linearity:	0.35%	0.50%	
Hysteresis:	0.15%	0.30%	
Repeatability:	0.10%	0.10%	
<b>Operating Temperature Ranges</b>			
Medium:	-40/+257°F (-40/+125°C)		
Ambient:	-40/+221°F (-40/+105°C)		
<b>Temperature Error Band</b>			
Temperature compensated to within 1% between -4°F to 185°F (-20 to +85 °C)			
<b>Humidity</b>			
95% RH Non-condensing			
100% RH with Shielded Cable Connection (E3)			
<b>Electronic Connection</b>			
90° Angle "Standard" Connector / DIN 175301-803 (A)			
Shielded Cable (3 Feet Standard)			
M12 (S7243) 4 pin Circular Connector			
<b>Output Signal</b>			
4-20mA (2 wire) and 0-10Vdc (3 wire)			
<b>Overpressure Limit</b>			
Ranges ≤ 5000 psi at least:)	1.5 x FS		
burst pressure at least:	2.9 x FS		
10,000-15,000 psi at least:	1.2 x FS		
burst pressure at least:	1.5 x FS		
<b>Response Time (10-90%)</b> < 1 ms			
<b>Power Supply</b>			
Output Signal:	Minimum	Maximum	Recommended
4-20mA:	10Vdc	32Vdc	24Vdc
0-10Vdc:	12Vdc	32Vdc	24Vdc
<b>Load Resistance</b>	4-20mA:	≤ $\frac{V_{SUPPLY} - 10 \text{ Vdc}}{0.02 \text{ A}}$	
	0-10 Vdc:	> 5 kOhm	
<b>Circuit Protection</b>			
Protected against reverse polarity and short circuits			
<b>CE Conformity</b> 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			
<b>Ingress Protection Rating</b>			
90° Angle Connector: IP65 / NEMA 4X			
Shielded Cable and M12 4 pin: IP67 / NEMA 6			
<b>Approximate Shipping Weight</b> 0.3 lbs (0.14kg)			

### HOW TO ORDER

Sample Order Number: **220TST 02 C A 0/100 E1 3**

Model	Process Connection	Accuracy	Units of Measure	Range Code	Electrical Connection	Cable Length (omit if none)	Output Signal
220TST	02 1/4 NPT*	C 0.5% FS (0.35% BFSL)	A psi	See Standard Ranges	E1 DIN 175301-803 (A) "std"	Specify Length in Feet (ie., 3 Ft=003)	3 4-20mA (2-wire)
	04 1/2 NPT				E3 Shielded Cable (3 Ft Std)		2 0-10 Vdc (3-wire)
					E9 M12 (S723) 4 pin		

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

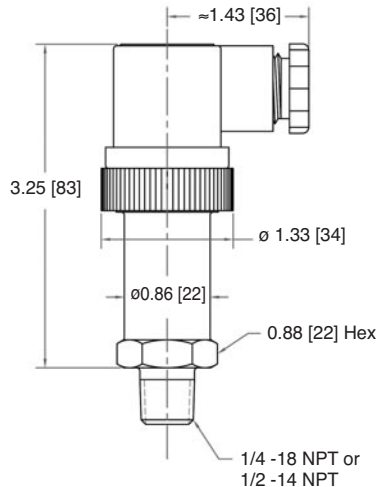
\* Maximum pressure 14,500 psi

# Model 220TST

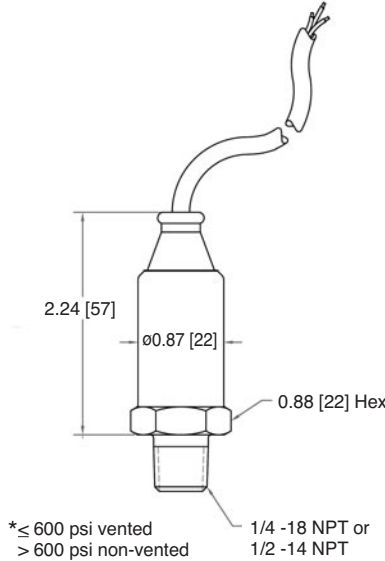
## Standard Pressure Transmitter

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

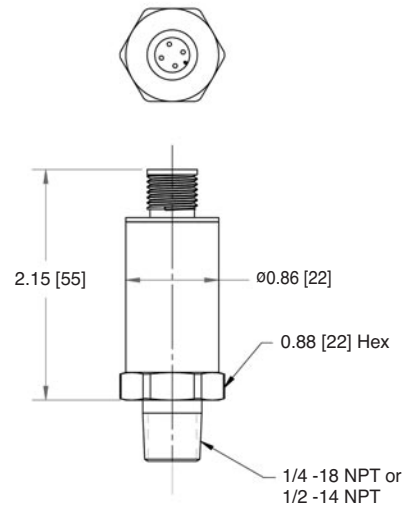
### E1 90° Angle "std" Connector DIN 175301-803 (A)



### E3 Shielded Cable\* (3 Feet Standard)



### E9 M12 (S723) 4 pin



## Standard Ranges

psi Ranges (A)			
Range Code	Specific Range	Overpressure Limit	Burst Pressure
30/0	30"Hg to 0	23 psi	44 psi
30/15	30"Hg to 15 psi	45 psi	87 psi
30/30	30"Hg to 30 psi	68 psi	131 psi
30/60	30"Hg to 60 psi	113 psi	218 psi
30/100	30"Hg to 100 psi	173 psi	334 psi
30/150	30"Hg to 150 psi	248 psi	479 psi
30/300	30"Hg to 300 psi	473 psi	914 psi
0/15	0 to 15 psi	23 psi	44 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
0/400	0 to 400 psi	600 psi	1160 psi
0/500	0 to 500 psi	750 psi	1450 psi
0/600	0 to 600 psi	900 psi	1740 psi
0/1000	0 to 1000 psi	1500 psi	2900 psi
0/1500	0 to 1500 psi	2250 psi	4350 psi
0/2000	0 to 2000 psi	3000 psi	5800 psi
0/3000	0 to 3000 psi	4500 psi	8700 psi
0/5000	0 to 5000 psi	7500 psi	14,500 psi
0/10000	0 to 10,000 psi	12,000 psi	15,000 psi
0/15000	0 to 15,000 psi	18,000 psi	22,500 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.

### Classifications and Standards:

- UL® Classified and Listed to NSF/ANSI Standard 61 & 372 of "Safe Drinking Water Act"
- UL® Classified and Listed to IEC 61010-1 / CSA C22.2 NO. 61010-1-12  
"Safety Requirements for Electrical Equipment for Measurement, Control and Laboratory Use"
- Meets FM Approvals® for Class Number 1321/1323 Clause 5.9 (1-8)  
"Controllers for Electric Motor Driven and Diesel Engine Driven Fire Pumps"

# Model 222THP

## High Pressure Transmitter



Model 222THP

### Applications

- Industrial Environments
- Hydraulic Systems
- Pneumatics
- Hydro-Power
- Diesel Engine Technologies
- Test Stands

### Features

- Ranges from 0 to 20,000 psi thru 0 to 60,000 psi
- 4-20mA and 0-10Vdc Standard Industrial Output Signals
- Fully welded "Dry Measuring Cell", requires no internal transmission fluid or seals
- 17-4 PH stainless steel wetted parts
- 304 stainless steel body
- Industry standard electrical connections including DIN 175301-803A, C and Shielded Cable
- Highly flexible modular design
- Protection Class IP65/NEMA 4X (Shielded Cable Connection IP67/NEMA 6)

The **TRERICE 222THP** "High-Pressure" Transmitter is the ideal choice for measurement of high pressures (up to 60,000 psi) in industrial, test & measurement and process control applications. Thanks to the stainless steel/thin-film sensor element being directly welded to the process connection, the 222THP requires no internal transmission media or seals insuring a high degree of reliability and stability. Stainless steel wetted parts provide long-term durability even in the harshest environments.

In addition, the modular design of the 222THP Pressure Transmitter allows for a wide variety of electrical connections, output signals and process connections to be specified to meet the requirements of any application.

\* For ranges over 30,000 psi  
Thick film resistors fused into Sapphire glass on a Titanium Diaphragm

### HOW TO ORDER

Model	Process Connection	Accuracy	Units of Measure	Range Code	Electrical Connection	Cable Length (omit if none)	Output Signal
222THP	08 9/16"-18 UNF-2B female port**	C 0.5% FS (0.35% BFSL)	A psi	See Standard Ranges	E1 DIN 175301-803 (A) "std" E2 DIN 175301-803 (C) "mini" E3 Shielded Cable (3 Ft Std)	Specify Length in Feet (ie., 3 Ft=003)	3 4-20mA (2-wire) 2 0-10 Vdc (3-wire)

\*\*For use with coned and threaded 1/4" O.D. high pressure tubing (reference "Autoclave® F-250-C")

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

### Specifications

<b>Model</b>	<b>222THP • High Pressure Transmitter</b>		
<b>Sensor Element</b>	Thin film resistors directly deposited on a Stainless Steel Diaphragm*		
<b>Process Connection</b>			
9/16"-18 UNF-2B female port. For use with coned and threaded high pressure tubing (reference "Autoclave® F-250-C")			
<b>Materials of Construction</b>			
Housing:	304 stainless steel		
Wetted Parts:	17-4 PH stainless steel, over 30,000 psi Titanium		
<b>Accuracy at 77° F (25°C)</b>	<b>BFSL</b>	<b>Full Scale</b>	
Non-Linearity:	0.35%	0.50%	
Hysteresis:	0.15%	0.30%	
Repeatability:	0.10%	0.10%	
For ranges >30,000 psi see "High Range Accuracy"			
<b>Operating Temperature Ranges</b>			
Medium:	-40/+257°F (-40/+125°C)		
Ambient:	-40/+221°F (-40/+105°C)		
<b>Temperature Error Band</b>			
Temperature compensated to within 1% between -4°F to 185°F (-20 to +85 °C)			
<b>Humidity</b>			
95% RH Non-condensing			
100% RH with Shielded Cable Connection (E3)			
<b>Electronic Connection</b>			
90° Angle "Standard" Connector / DIN 175301-803 (A)			
90° Angle "Mini" Connector / DIN 175301-803 (C)			
Shielded Cable (3 Feet Standard)			
<b>Output Signal</b>			
4-20mA (2 wire) and 0-10Vdc (3 wire)			
<b>Overpressure Limit</b>			
at least:	1.2 x FS		
burst pressure at least:	1.5 x FS		
<b>Response Time (10-90%)</b>	< 1 ms		
<b>Power Supply</b>			
Output Signal:	Minimum	Maximum	Recommended
4-20mA:	10Vdc	32Vdc	24Vdc
0-10Vdc:	12Vdc	32Vdc	24Vdc
<b>Load Resistance</b>	4-20mA:	$\leq \frac{V_{SUPPLY} - 10 \text{ Vdc}}{0.02 \text{ A}}$	
	0-10 Vdc:	> 5 kOhm	
<b>Circuit Protection</b>			
Protected against reverse polarity and short circuits			
<b>CE Conformity</b> 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			
<b>Ingress Protection Rating</b>			
90° Angle Connector: IP65 / NEMA 4X			
Shielded Cable: IP67 / NEMA 6			
<b>Approximate Shipping Weight</b>	0.3 lbs (0.14kg)		

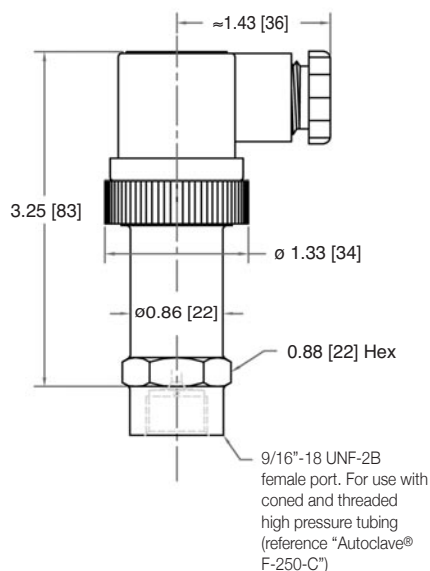
Sample Order Number: **222THP 08 C A 0/30000 E1 3**

# Model 222THP

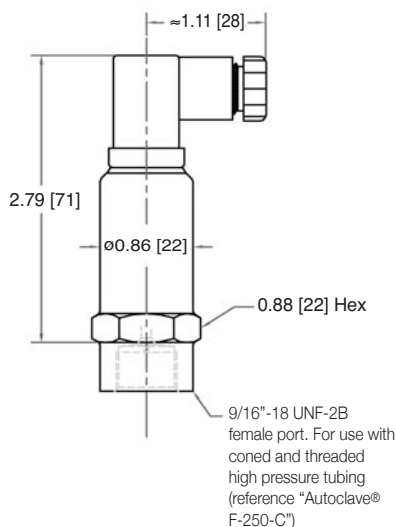
## High Pressure Transmitter

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

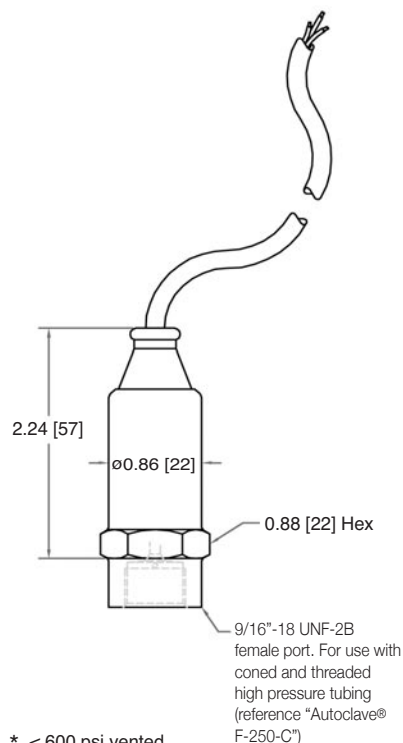
### E1 90° Angle “std” Connector DIN 175301-803 (A)



### E2 90° Angle “mini” Connector DIN 175301-803 (C)

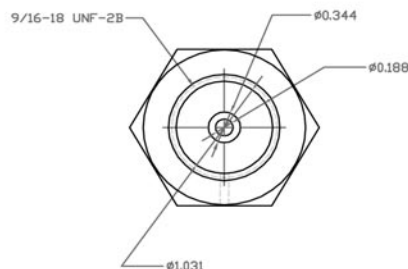
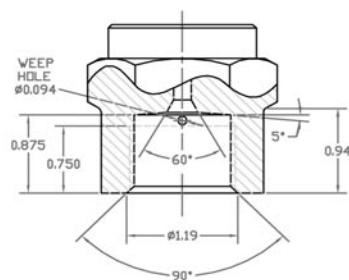


### E3 Shielded Cable\* (3 Feet Standard)



\* ≤ 600 psi vented  
> 600 psi non-vented

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CONNECTION DETAIL  
SCALE 2"=1"

### High Range Accuracy (>30,000 psi)

	BFSL	Full Scale
Accuracy at 77° F (25°C)	0.60%	1.00%
Non-Linearity:	0.40%	0.80%
Hysteresis:	0.10%	0.10%
Repeatability:	0.10%	0.10%

### Standard Ranges

psi Ranges (A)			
Range Code	Specific Range	Overpressure Limit	Burst Pressure
0/20000	0 to 20,000 psi	24,000 psi	30,000 psi
0/25000	0 to 25,000 psi	30,000 psi	37,500 psi
0/30000	0 to 30,000 psi	36,000 psi	45,000 psi
0/40000	0 to 40,000 psi	48,000 psi	60,000 psi
0/50000	0 to 50,000 psi	60,000 psi	75,000 psi
0/60000	0 to 60,000 psi	72,000 psi	90,000 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.



# Model 225TLP

## Low Pressure Transmitter



Model 225TLP

### Applications

- Pneumatics
- Commercial / HVAC
- Process Automation
- Testing Technologies
- Environmental Engineering

### Features

- Ranges from -4 in H<sub>2</sub>O to 0 thru 0 to 10 psi
- 4-20mA and 0-10Vdc Standard Industrial Output Signals
- 304 stainless steel body
- Industry standard electrical connections including DIN 175301-803A, C and Shielded Cable
- Highly flexible modular design
- Protection Class IP65/NEMA 4X (Shielded Cable Connection IP67/NEMA 6)

The **TRERICE 225TLP** "Low-Pressure" Transmitter is the ideal choice for measurement of low pressure dry gases. The silicone chip/thin-film sensor element of the 225TLP is directly attached to the process connection, so no internal transmission media is required insuring a high degree of reliability and stability.

In addition, the modular design of the 225TLP Low-Pressure Transmitter allows for a wide variety of electrical connections, output signals and process connections to be specified to meet the requirements of any application.

### Specifications

Model	225TLP • Low Pressure Transmitter		
Sensor Element	Thin film resistors on a Silicon Membrane		
Process Connection	1/4 or 1/2 NPT male		
Materials of Construction			
Housing:	304 stainless steel		
Wetted Parts:	304 stainless steel, Silicon Chip, Glass		
Seal:	NBR		
Accuracy at 77° F (25°C)	BFSL	Full Scale	
	0.60%	1.00%	
	Non-Linearity:	0.40%	
	Hysteresis:	0.10%	
	Repeatability:	0.10%	
Operating Temperature Ranges			
Medium:	-13/+185°F (-25/+85°C)		
Ambient:	-13/+185°F (-25/+85°C)		
Temperature Error Band			
Temperature compensated to within			
1% between 14°F to 158°F (-10 to +70 °C)			
Humidity			
95% RH Non-condensing			
100% RH with Shielded Cable Connection (E3)			
Electronic Connection			
90° Angle "Standard" Connector / DIN 175301-803 (A)			
90° Angle "Mini" Connector / DIN 175301-803 (C)			
Shielded Cable (3 Feet Standard)			
Output Signal			
4-20mA (2 wire) and 0-10Vdc (3 wire)			
Overpressure Limit			
At least:	2.5 x FS		
burst pressure at least:	6 x FS (10 psi 4.5 x FS)		
Response Time (10-90%) < 1 ms			
Power Supply			
Output Signal:	Minimum	Maximum	Recommended
4-20mA:	10Vdc	32Vdc	24Vdc
0-10Vdc:	12Vdc	32Vdc	24Vdc
Load Resistance	4-20mA:	≤ V <sub>SUPPLY</sub> - 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			
90° Angle Connector: IP65 / NEMA 4X			
Shielded Cable: IP67 / NEMA 6			
Approximate Shipping Weight 0.3 lbs (0.14kg)			

### HOW TO ORDER

Sample Order Number: **225TLP 02 D U 0/60 E1 3**

Model	Process Connection	Accuracy	Units of Measure	Range Code	Electrical Connection	Cable Length (omit if none)	Output Signal			
225TLP	02 1¼ NPT	D 1.0% FS (0.60% BFSL)	U in H <sub>2</sub> O A psi	See Standard Ranges	E1 DIN 175301-803 (A) “std”	Specify Length in Feet (ie., 3 Ft=003)	3 4-20mA (2-wire)			
	04 ½ NPT				E2 DIN 175301-803 (C) “mini”		2 0-10 Vdc (3-wire)			
					E3 Shielded Cable (3 Ft Std)					

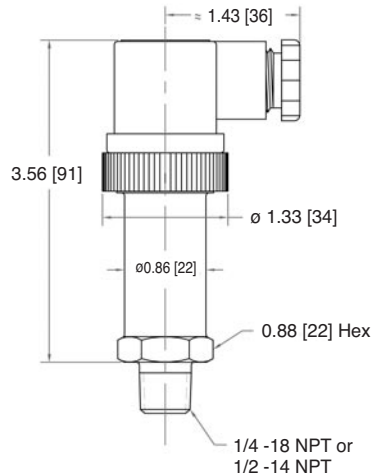
Multiple electrical connections, output signals and process connections are available, Please consult factory.

# Model 225TLP

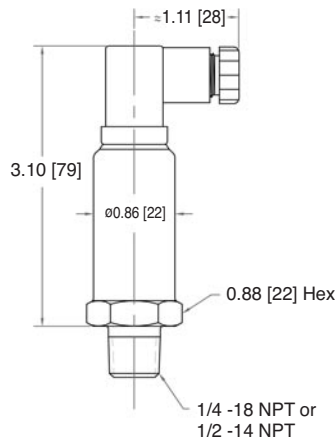
## Low Pressure Transmitter

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

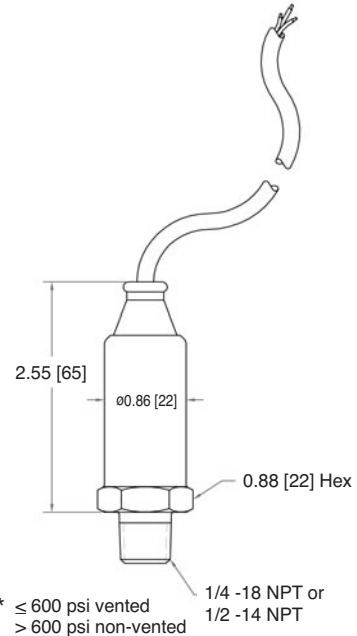
### E1 90° Angle “std” Connector DIN 175301-803 (A)



### E2 90° Angle “mini” Connector DIN 175301-803 (C)



### E3 Shielded Cable\* (3 Feet Standard)



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## Standard Ranges

in. H <sub>2</sub> O Ranges (U)			
Range Code	Specific Range	Overpressure Limit	Burst Pressure
Pressure			
0/4	0/4 in. H <sub>2</sub> O	10 in. H <sub>2</sub> O	24 in. H <sub>2</sub> O
0/10	0/10 in. H <sub>2</sub> O	25 in. H <sub>2</sub> O	60 in. H <sub>2</sub> O
0/15	0/15 in. H <sub>2</sub> O	38 in. H <sub>2</sub> O	90 in. H <sub>2</sub> O
0/30	0/30 in. H <sub>2</sub> O	75 in. H <sub>2</sub> O	180 in. H <sub>2</sub> O
0/40	0/40 in. H <sub>2</sub> O	100 in. H <sub>2</sub> O	240 in. H <sub>2</sub> O
0/60	0/60 in. H <sub>2</sub> O	150 in. H <sub>2</sub> O	360 in. H <sub>2</sub> O
0/100	0/100 in. H <sub>2</sub> O	250 in. H <sub>2</sub> O	600 in. H <sub>2</sub> O
0/160	0/160 in. H <sub>2</sub> O	400 in. H <sub>2</sub> O	960 in. H <sub>2</sub> O
0/200	0/200 in. H <sub>2</sub> O	500 in. H <sub>2</sub> O	1200 in. H <sub>2</sub> O
0/300	0/300 in. H <sub>2</sub> O	750 in. H <sub>2</sub> O	1800 in. H <sub>2</sub> O
Vacuum			
4/0	4/0 in. H <sub>2</sub> O	10 in. H <sub>2</sub> O	24 in. H <sub>2</sub> O
10/0	10/0 in. H <sub>2</sub> O	25 in. H <sub>2</sub> O	60 in. H <sub>2</sub> O
15/0	15/0 in. H <sub>2</sub> O	38 in. H <sub>2</sub> O	90 in. H <sub>2</sub> O
30/0	30/0 in. H <sub>2</sub> O	75 in. H <sub>2</sub> O	180 in. H <sub>2</sub> O
60/0	60/0 in. H <sub>2</sub> O	150 in. H <sub>2</sub> O	360 in. H <sub>2</sub> O
100/0	100/0 in. H <sub>2</sub> O	250 in. H <sub>2</sub> O	600 in. H <sub>2</sub> O
200/0	200/0 in. H <sub>2</sub> O	500 in. H <sub>2</sub> O	1200 in. H <sub>2</sub> O

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	13 psi	30 psi
0/10	0 to 10 psi	25 psi	45 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.

# Model 227THT

## High Temperature Pressure Transmitter



Model 227THT

### Applications

- Industrial Environments
- Hydraulic Systems
- Commercial / HVAC
- Process Automation
- Pump System Control
- Testing Technologies

### Features

- Continuous Process temperatures up to 320°F/160°C (356°F/180°C allowed for 15 minutes)
- Ranges from 30" Hg to 0 thru 0 to 15,000 psi
- 4-20mA and 0-10Vdc Standard Industrial Output Signals
- Fully welded "Dry Measuring Cell", requires no internal transmission fluid or seals
- 17-4 PH stainless steel wetted parts
- 304 stainless steel body
- Highly flexible modular design
- Protection Class IP65/NEMA 4X (Shielded Cable Connection IP67/NEMA 6)

The **TRERICE 227THT** "High-Temperature" Pressure Transmitter is the ideal choice for pressure measurement of high temperature process media. The integrated cooling tower allows the 227THT to consistently provide pressure measurement of high temperature (up to 320°F/160°C) processes. The stainless steel/thin-film sensor element of the 227THT is directly welded to the process connection, so no internal transmission media or seals are required, insuring a high degree of reliability and stability. Stainless steel wetted parts provide long-term durability even in the harshest environments.

In addition, the modular design of the 227THT Pressure Transmitter allows for a wide variety of electrical connections, output signals and process connections to be specified to meet the requirements of any application.

### HOW TO ORDER

Model	Process Connection	Accuracy	Units of Measure	Range Code	Electrical Connection	Cable Length (omit if none)	Output Signal			
227THT	02 1/4 NPT*	C 0.5% FS (0.35% BFSL)	A psi	See Standard Ranges	E1 DIN 175301-803 (A) "std"	Specify Length in Feet (ie., 3 Ft=003)	3 4-20mA (2-wire)			
	04 1/2 NPT				E2 DIN 175301-803 (C) "mini"		2 0-10 Vdc (3-wire)			
					E3 Shielded Cable (3 Ft Std)					

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

\*Maximum pressure 14,500 psi

### Specifications

Model	227THT • High Temperature Transmitter		
Sensor Element	Thin film resistors directly deposited on a Stainless Steel Diaphragm		
Process Connection	1/4 or 1/2 NPT male		
Materials of Construction			
Housing:	304 stainless steel		
Wetted Parts:	17-4 PH stainless steel		
Accuracy at 77° F (25°C)	BFSL	Full Scale	
		0.35%	0.50%
	Non-Linearity:	0.15%	0.30%
	Hysteresis:	0.10%	0.10%
	Repeatability:	0.10%	0.10%
Operating Temperature Ranges			
Medium:	-40/+320°F (-40/+160°C)		
Ambient:	-40/+221°F (-40/+105°C)		
Temperature Error Band			
Temperature compensated to within 1% between -4°F to 185°F (-20 to +85 °C)			
Humidity			
95% RH Non-condensing			
100% RH with Shielded Cable Connection (E3)			
Electronic Connection			
90° Angle "Standard" Connector / DIN 175301-803 (A)			
90° Angle "Mini" Connector / DIN 175301-803 (C)			
Shielded Cable (3 Feet Standard)			
Output Signal			
4-20mA (2 wire) and 0-10Vdc (3 wire)			
Overpressure Limit			
Ranges ≤ 5000 psi at least:)	1.5 x FS		
burst pressure at least:	2.9 x FS		
10,000-15,000 psi at least:	1.2 x FS		
burst pressure at least:	1.5 x FS		
Response Time (10-90%)	< 1 ms		
Power Supply			
Output Signal:	Minimum	Maximum	Recommended
4-20mA:	10Vdc	32Vdc	24Vdc
0-10Vdc:	12Vdc	32Vdc	24Vdc
Load Resistance	4-20mA:	$\leq \frac{V_{SUPPLY} - 10 \text{ Vdc}}{0.02 \text{ A}}$	
	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			
90° Angle Connector: IP65 / NEMA 4X			
Shielded Cable: IP67 / NEMA 6			
Approximate Shipping Weight	0.4 lbs (0.19kg)		

Sample Order Number: **227THT 02 C A 0/100 E1 3**

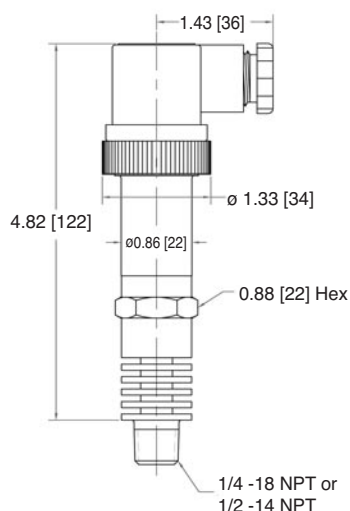


# Model 227THT

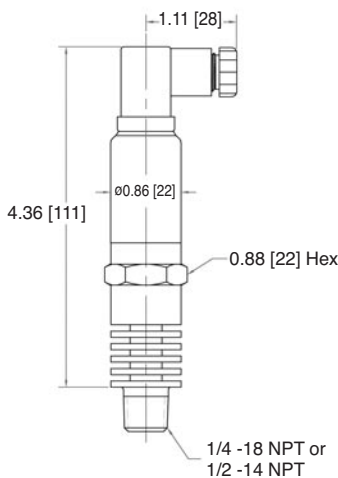
## High Temperature Pressure Transmitter

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

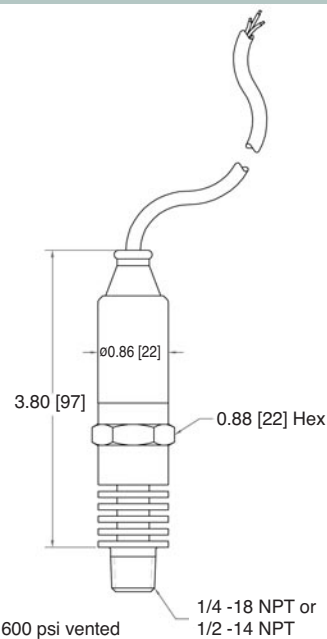
### E1 90° Angle “std” Connector DIN 175301-803 (A)



### E2 90° Angle “mini” Connector DIN 175301-803 (C)



### E3 Shielded Cable\* (3 Feet Standard)



\* ≤ 600 psi vented  
> 600 psi non-vented

INDUSTRIAL TRANSMITTERS

## Standard Ranges

psi Ranges (A)			
Range Code	Specific Range	Overpressure Limit	Burst Pressure
30/0	30"Hg to 0	23 psi	44 psi
30/15	30"Hg to 15 psi	45 psi	87 psi
30/30	30"Hg to 30 psi	68 psi	131 psi
30/60	30"Hg to 60 psi	113 psi	218 psi
30/100	30"Hg to 100 psi	173 psi	334 psi
30/150	30"Hg to 150 psi	248 psi	479 psi
30/300	30"Hg to 300 psi	473 psi	914 psi
0/15	0 to 15 psi	23 psi	44 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
0/400	0 to 400 psi	600 psi	1160 psi
0/600	0 to 600 psi	900 psi	1740 psi
0/1000	0 to 1000 psi	1500 psi	2900 psi
0/1500	0 to 1500 psi	2250 psi	4350 psi
0/2000	0 to 2000 psi	3000 psi	5800 psi
0/3000	0 to 3000 psi	4500 psi	8700 psi
0/5000	0 to 5000 psi	7500 psi	14,500 psi
0/10000	0 to 10,000 psi	12,000 psi	15,000 psi
0/15000	0 to 15,000 psi	18,000 psi	22,500 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.

# Model 230TPP

## Precision Programmable Transmitter



Model 230TPP

### Applications

- Industrial Environments
- Hydraulic Systems
- Pneumatics
- Food & Beverage Industry
- Water Treatment
- Pharmaceutical Industry
- Test Equipment

### Features

- Ranges from 30" Hg to 0 thru 0 to 15,000 psi\*
- 4:1 Turndown with optional programming tool
- Zero Point adjustment can be made using permanent magnet
- 4-20mA and 0-10Vdc Standard Industrial Output Signals
- Fully welded "Dry Measuring Cell", requires no internal transmission fluid or seals
- 17-4 PH stainless steel wetted parts
- 304 stainless steel body
- Industry standard electrical connections including DIN 175301-803A, Shielded Cable and M12 (S7243) 4 pin
- Highly flexible modular design
- Protection Class IP65/NEMA 4X (Shielded Cable and M12 4 pin Connections - IP67/NEMA 6)

\*Ranges up to 60,000 psi are available and require special "High-Pressure" fittings. Please consult factory

The **TRERICE 230TPP** "High-Precision" Digital Programmable Pressure Transmitter is the ideal choice for demanding industrial, test & measurement and process control applications. 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 steel/thin-film sensor element is directly welded to the process connection, so no internal transmission media or seals are required insuring a high degree of reliability and stability. Stainless steel wetted parts provide long-term durability even in the harshest environments.

In addition, the modular design of the 230TPP Pressure Transmitter allows for a wide variety of electrical connections, output signals and process connections to be specified to meet the requirements of any application.

### Specifications

**Model** 230TPP • Precision Programmable Transmitter

**Sensor Element** Thin film resistors directly deposited on a Stainless Steel Diaphragm

#### Process Connection

1/4 or 1/2 NPT male (ASME B1.20.1)  
G 1/4 B or G 1/2 B (EN 837-1)

#### Materials of Construction

Housing: 304 stainless steel  
Wetted Parts: 17-4 PH stainless steel

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

#### Operating Temperature Ranges

Medium: -40/+257°F (-40/+125°C)  
Ambient: -40/+185°F (-40/+85°C)

#### Temperature Error Band

Temperature compensated to within  
1% between -4°F to 185°F (-20 to +85 °C)

#### Humidity

95% RH Non-condensing  
100% RH with Shielded Cable Connection (E3)

#### Electronic Connection

90° Angle "Standard" Connector / DIN 175301-803 (A)  
Shielded Cable (3 Feet Standard)  
M12 (S723) 4 pin Circular Connector

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

**Overpressure Limit** Ranges ≤ 5000 psi at least: 1.5 x FS  
burst pressure at least: 2.9 x FS  
10,000-15,000 psi at least: 1.2 x FS  
burst pressure at least: 1.5 x FS

**Response Time (10-90%)** < 10 ms

#### Power Supply

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

**Load Resistance** 4-20mA:  $\leq \frac{V_{SUPPLY} - 10 \text{ Vdc}}{0.02 \text{ A}}$   
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

90° Angle Connector: IP65 / NEMA 4X  
Shielded Cable and M12 4 pin: IP67 / NEMA 6

**Approximate Shipping Weight** 0.4 lbs (0.20kg)

### HOW TO ORDER

Sample Order Number: **230TPP 02 B A 0/600 E1 3**

Model	Process Connection	Accuracy	Units of Measure	Range Code	Electrical Connection	Cable Length (omit if none)	Output Signal
230TPP	02 1/4" NPT*	C 0.5% FS (0.35% BFSL)	A psi	See Standard Ranges	E1 90° Angle DIN 175301-803 (A)	Specify Length in Feet (ie., 3 Ft=003)	3 4-20mA (2-wire)
	04 1/2" NPT				E3 Shielded Cable (3 Ft Std)		2 0-10 Vdc (3-wire)
	42 G 1/4 B*				E9 M12 (S723) 4 pin		
	44 G 1/2 B						

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

\* Maximum pressure 14,500 psi

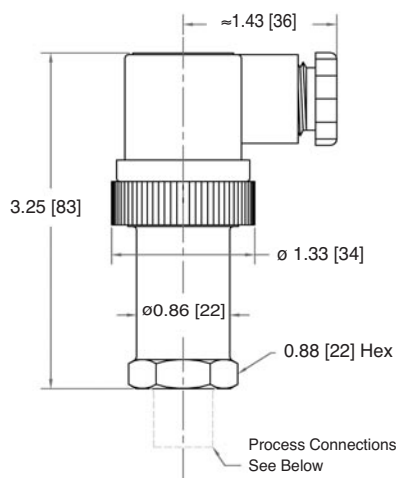
# Model 230TPP

## Precision Programmable Transmitter

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

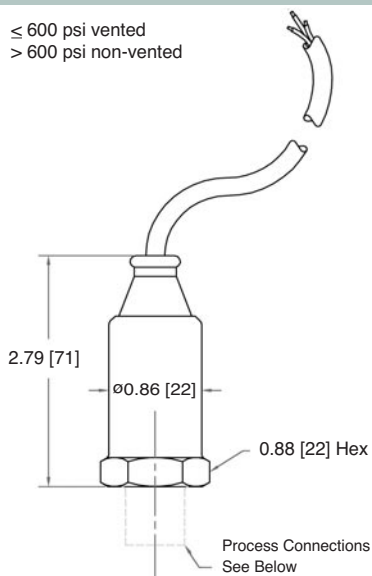
INDUSTRIAL TRANSMITTERS

### E1 90° Angle “std” Connector DIN 175301-803 (A)

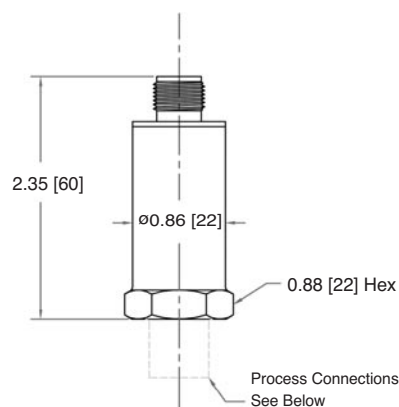


### E3 Shielded Cable\* (3 Feet Standard)

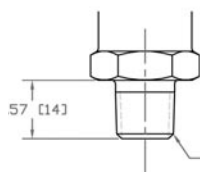
\* ≤ 600 psi vented  
> 600 psi non-vented



### E9 M12 (S723) 4 pin

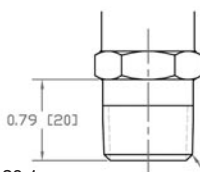


### PROCESS CONNECTIONS



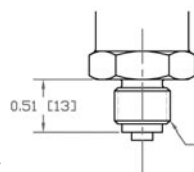
02

1/4-18 NPT  
per ASME B1.20.1  
Max pressure 14,500 psi



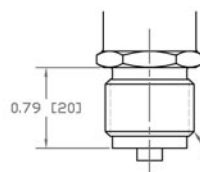
04

1/2-14 NPT  
per ASME B1.20.1



42

G 1/4 B  
per EN 837-1  
Max pressure 14,500 psi



44

G 1/2 B  
per EN 837-1

### Standard Ranges

psi Ranges (A)			
Range Code	Specific Range	Overpressure Limit	Burst Pressure
30/0	30"Hg to 0	23 psi	44 psi
30/15	30"Hg to 15 psi	45 psi	87 psi
30/30	30"Hg to 30 psi	68 psi	131 psi
30/60	30"Hg to 60 psi	113 psi	218 psi
30/100	30"Hg to 100 psi	173 psi	334 psi
30/150	30"Hg to 150 psi	248 psi	479 psi
30/300	30"Hg to 300 psi	473 psi	914 psi
0/15	0 to 15 psi	23 psi	44 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
0/400	0 to 400 psi	600 psi	1160 psi
0/600	0 to 600 psi	900 psi	1740 psi
0/1000	0 to 1000 psi	1500 psi	2900 psi
0/1500	0 to 1500 psi	2250 psi	4350 psi
0/2000	0 to 2000 psi	3000 psi	5800 psi
0/3000	0 to 3000 psi	4500 psi	8700 psi
0/5000	0 to 5000 psi	7500 psi	14,500 psi
0/10000	0 to 10,000 psi	12,000 psi	15,000 psi
0/15000	0 to 15,000 psi	18,000 psi	22,500 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.

# Model 235TFC

## High Precision Transmitter-Flush Connection

### Applications

- Hydraulic Systems
- Pneumatics
- Industrial Environments
- Mobile Hydraulics
- Food & Beverage Industry
- Water Treatment
- Pharmaceutical Industry



Model 235TFC

### Features

- Ranges from 0 to 10 psi thru 0 to 800 psi
- 4:1 Turndown with optional programming tool
- Zero Point adjustment can made using permanent magnet
- 4-20mA and 0-10Vdc Standard Industrial Output Signals
- 316L stainless steel wetted parts
- 304 stainless steel body
- Industry standard electrical connections including DIN 175301-803A, C and Shielded Cable
- Highly flexible modular design
- Protection Class IP65/NEMA 4X (Shielded Cable and M12 4 pin Connections IP67/NEMA 6)

The **TRERICE 235TFC** "Flush-Connection" Digital-Programmable, Pressure Transmitter is the ideal choice for demanding chemical, sanitary and food process applications. 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.

In addition, the modular design of the 235TFC Pressure Transmitter allows for a wide variety of electrical connections, output signals and process connections to be specified to meet the requirements of any application.

### Specifications

#### Model 235TFC • Flush Connection Transmitter

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

**Process Connection** G 1/2 A, G 3/4 A, G 1 A  
Type E (per ISO 1179-2)

#### Materials of Construction

Housing: 304 stainless steel  
Wetted Parts: 316L stainless steel, Viton®  
Pressure Transmission Liquid: Silicone Oil

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

#### Operating Temperature Ranges

Medium: -4/+257°F (-20/+125°C)  
Ambient: -4/+185°F (-20/+85°C)

#### Temperature Error Band

Temperature compensated to within  
1% between 41°F to 185°F (5 to +85 °C)

#### Humidity

95% RH Non-condensing  
100% RH with Shielded Cable Connection (E3)

#### Electronic Connection

90° Angle "Standard" Connector / DIN 175301-803 (A)  
Shielded Cable (3 Feet Standard)  
M12 (S723) 4 pin Circular Connector

#### Output Signal

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

#### Overpressure Limit

at least: 1.5 x FS  
burst pressure at least: 2.9 x FS

#### Response Time (10-90%) < 10 ms

#### Power Supply

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

**Load Resistance** 4-20mA:  $\leq \frac{V_{SUPPLY} - 10 \text{ Vdc}}{0.02 \text{ A}}$   
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

90° Angle Connector: IP65 / NEMA 4X  
Shielded Cable and M12 4 pin: IP67 / NEMA 6

**Approximate Shipping Weight** 0.4 lbs (0.20kg)

### HOW TO ORDER

Sample Order Number: **235TFC 32 C A 0/1000 E1 3**

Model	Process Connection	Accuracy	Units of Measure	Range Code	Electrical Connection	Cable Length (omit if none)	Output Signal
235TFC	32 G 1/2 A	C 0.5% FS (0.35% BFSL)	A psi	See Standard Ranges	E1 DIN 175301-803 (A) "std"	Specify Length in Feet (ie., 3 Ft=003)	3 4-20mA (2-wire)
	33 G 3/4 A				E3 Shielded Cable (3 Ft Std)		2 0-10 Vdc (3-wire)
	34 G 1 A				E9 M12 (S723) 4 pin		

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

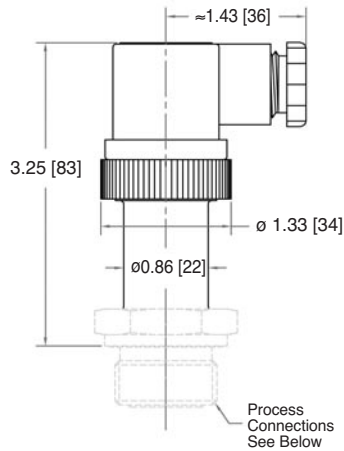
# Model 235TFC

## High Precision Transmitter-Flush Connection

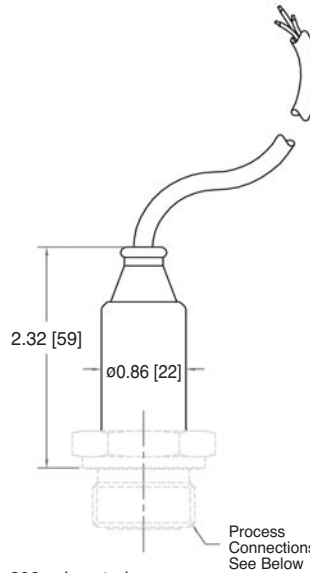
All dimensions are nominal.  
Dimensions in [ ] are in millimeters.

INDUSTRIAL TRANSMITTERS

### E1 90° Angle "std" Connector DIN 175301-803 (A)

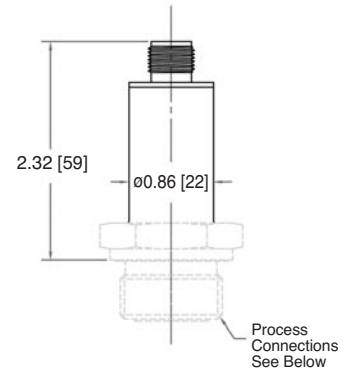


### E3 Shielded Cable\* (3 Feet Standard)

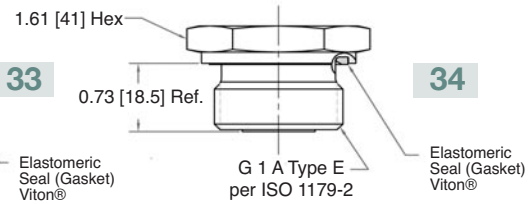
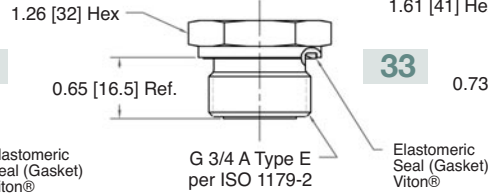
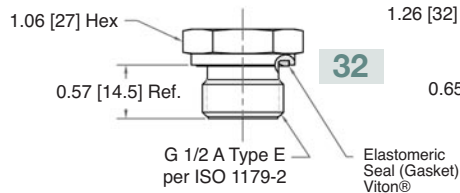


\* ≤ 600 psi vented  
> 600 psi non-vented

### E9 M12 (S723) 4 pin



### 235TFC FLUSH CONNECTIONS



## Standard Ranges

psi Ranges (A)			
Range Code	Specific Range	Overpressure Limit	Burst Pressure
0/10	0 to 10 psi	15 psi	29 psi
0/15	0 to 15 psi	23 psi	44 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
0/400	0 to 400 psi	600 psi	1160 psi
0/600	0 to 600 psi	900 psi	1740 psi
0/800	0 to 800 psi	1200 psi	2320 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.



# Model 236TFS

## High Precision Transmitter-Flush Socket Connection

### Applications

- Pneumatics / Hydraulics
- Industrial Environments
- Mobile Hydraulics
- Food & Beverage Industry
- Water Treatment
- Pharmaceutical Industry
- Fracking



Model 236TFS



### Features

- Ranges from 0 to 10 psi thru 0 to 800 psi
- 4:1 Turndown with optional programming tool
- Zero Point adjustment can made using permanent magnet
- 4-20mA and 0-10Vdc Standard Industrial Output Signals
- 316L stainless steel wetted parts
- 304 stainless steel body
- Industry standard electrical connections including DIN 175301-803A, C and Shielded Cable
- Highly flexible modular design
- Protection Class IP65/NEMA 4X (Shielded Cable and M2 4 pin Connections IP67/NEMA 6)

The **TRERICE 236TFS** "Flush-Socket Connection" Digital-Programmable, Pressure Transmitter is the ideal choice for demanding chemical, sanitary and semiconductor process applications. 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.

In addition, the modular design of the 236TFS Pressure Transmitter allows for a wide variety of electrical connections, output signals and process connections to be specified to meet the requirements of any application.

### HOW TO ORDER

Model	Process Connection	Accuracy	Units of Measure	Range Code	Electrical Connection	Cable Length (omit if none)	Output Signal
236TFS	36 G 1/2 A	C 0.5% FS (0.35% BFSL)	A psi	See Standard Ranges	E1 DIN 175301-803 (A) "std" E3 Shielded Cable (3 Ft Std) E9 M12 (S723) 4 pin	Specify Length in Feet (ie., 3 Ft=003)	3 4-20mA (2-wire) 2 0-10 Vdc (3-wire)

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

### Specifications

Model	236TFS • Flush Socket Transmitter		
Sensor Element	Capsule Type - Thin film resistors on a Silicon Membrane, Oil-Filled, Stainless Steel Diaphragm		
Process Connection			
Modified ISO 1179-2 G 1/2 A Type E with O-ring			
Materials of Construction			
Housing:	304 stainless steel		
Wetted Parts:	316L stainless steel, Viton®		
Seal:	Viton®		
Transmission Fluid:	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:	-40/+257°F (-40/+125°C)		
Ambient:	-40/+185°F (-40/+85°C)		
Temperature Error Band			
Temperature compensated to within			
1% between -4°F to 185°F (-20 to +85 °C)			
Humidity			
95% RH Non-condensing			
100% RH with Shielded Cable Connection (E3)			
Electronic Connection			
90° Angle "Standard" Connector / DIN 175301-803 (A)			
Shielded Cable (3 Feet Standard)			
M12 (S723) 4 pin Circular Connector			
Output Signal			
4-20mA (2 wire) and 0-10Vdc (3 wire)			
Overpressure Limit			
at least:	1.5 x FS		
burst pressure at least:	2.9 x FS		
Response Time (10-90%) < 10 ms			
Power Supply			
Output Signal:	Minimum	Maximum	Recommended
4-20mA:	10Vdc	32Vdc	24Vdc
0-10Vdc:	12Vdc	32Vdc	24Vdc
Load Resistance	4-20mA:	$\leq \frac{V_{SUPPLY} - 10 \text{ Vdc}}{0.02 \text{ A}}$	
	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/E			
Applied standards: EN 61326-1:2013, EN 61326-2-3:2013			
Ingress Protection Rating			
90° Angle Connector: IP65 / NEMA 4X			
Shielded Cable and M12 4 pin: IP67 / NEMA 6			
Approximate Shipping Weight 0.4 lbs (0.20kg)			

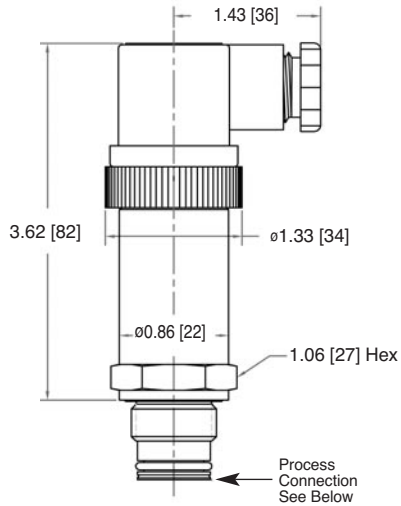
Sample Order Number: **236TFS 36 C A 0/200 E1 3**

# Model 236TFS

## High Precision Transmitter-Flush Socket Connection

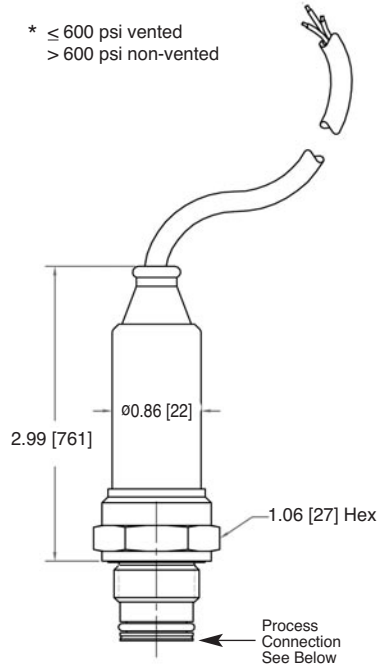
All dimensions are nominal.  
Dimensions in [ ] are in millimeters.

### E1 90° Angle "std" Connector DIN 175301-803 (A)

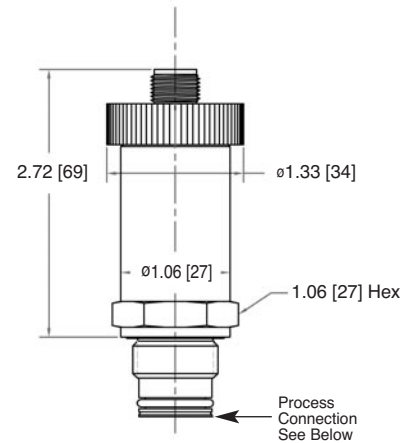


### E3 Shielded Cable\* (3 Feet Standard)

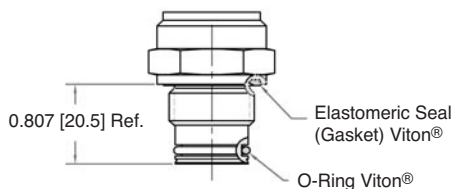
\* ≤ 600 psi vented  
> 600 psi non-vented



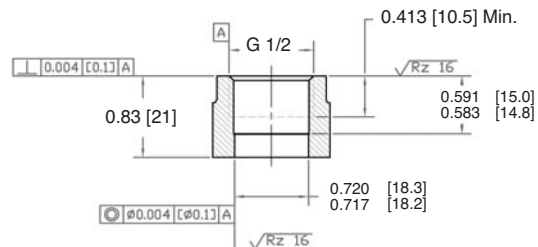
### E9 M12 (S723) 4 pin



236TFS Flush Socket Fitting  
Modified from an ISO 1179-2 G 1/2 A Type E



User Supplied Socket



## Standard Ranges

psi Ranges (A)			
Range Code	Specific Range	Overpressure Limit	Burst Pressure
0/10	0 to 10 psi	15 psi	29 psi
0/15	0 to 15 psi	23 psi	44 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
0/400	0 to 400 psi	600 psi	1160 psi
0/600	0 to 600 psi	900 psi	1740 psi
0/800	0 to 800 psi	1200 psi	2320 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.

# Model 238TSC

## High Precision Transmitter—Sanitary Style Connection

### Applications

- Sanitary Applications
- Food & Beverage Industry
- Pharmaceutical Industry
- Water Treatment
- Industrial Environments
- Automotive Paint Systems



Model 238TSC

### Features

- Ranges from 0 to 10 psi thru 0 to 600 psi
- FDA Approved Fill Fluid
- 4:1 Turndown with optional programming tool
- Zero Point adjustment can made using permaent magnet
- 4-20mA and 0-10Vdc Standard Industrial Output Signals
- 316L stainless steel wetted parts / 304 stainless steel body
- Industry standard electrical connections including DIN 175301-803A, C and Shielded Cable
- Highly flexible modular design
- Protection Class IP65/NEMA 4X, PUR Cable Connection IP68/NEMA 6P, M12 4 pin IP67 NEMA 6

The **TRERICE 238TSC** "Sanitary Connection" Digital-Programmable, Pressure Transmitter is the ideal choice for demanding pharmaceutical, food & beverage, water treatment and chemical applications. 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.

In addition, the modular design of the 238TSC Pressure Transmitter allows for a wide variety of electrical connections, output signals and process connections to be specified to meet the requirements of any application.

### Specifications

<b>Model</b>	<b>238TSC • Sanitary Connection Transmitter</b>		
<b>Sensor Element</b>	Capsule Type - Thin film resistors on a Silicon Membrane, Oil-Filled, Stainless Steel Diaphragm		
<b>Process Connection</b>	1 1/2" or 2" Tri-Clamp Sanitary Style Connection		
<b>Materials of Construction</b>			
Housing:	304 stainless steel		
Wetted Parts:	316L stainless steel		
Pressure Transmission Liquid:	FDA Approved Oil		
Diaphragm Surface Finish (Ra):	<30 μin		
<b>Accuracy at 77° F (25°C)</b>	<b>BFSL</b>	<b>Full Scale</b>	
Non-Linearity:	0.35%	0.50%	
Hysteresis:	0.15%	0.30%	
Hysteresis:	0.10%	0.10%	
Repeatability:	0.10%	0.10%	
<b>Operating Temperature Ranges</b>			
Medium:	14/+257°F (-10/+125°C)		
Ambient:	14/+185°F (-10/+85°C)		
<b>Temperature Error Band</b>			
Temperature compensated to within			
1% between 41°F to 185°F (5 to +85 °C)			
<b>Humidity</b>			
95% RH Non-condensing			
100% RH with Shielded Cable Connection (E3)			
<b>Electronic Connection</b>			
90° Angle "Standard" Connector / DIN 175301-803 (A)			
PUR (Polyurethane) Cable (3 Feet Standard)			
M12 (S723) 4 pin Circular Connector			
<b>Output Signal</b>			
4-20mA (2 wire) and 0-10Vdc (3 wire)			
<b>Overpressure Limit</b>			
at least:	1.5 x FS		
burst pressure at least:	2.9 x FS		
<b>Response Time (10-90%)</b>	< 10 ms		
<b>Power Supply</b>			
Output Signal:	Minimum	Maximum	Recommended
4-20mA:	10Vdc	32Vdc	24Vdc
0-10Vdc:	12Vdc	32Vdc	24Vdc
<b>Load Resistance</b>	4-20mA:	$\leq \frac{V_{SUPPLY} - 10 \text{ Vdc}}{0.02 \text{ A}}$	
	0-10 Vdc:	> 5 kOhm	
<b>Circuit Protection</b>			
Protected against reverse polarity and short circuits			
<b>CE Conformity</b>	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			
<b>Ingress Protection Rating</b>			
90° Angle Connector: IP65 / NEMA 4X			
PUR Cable: IP68 / NEMA 6P, M12 4 pin IP67/NEMA 6			
<b>Approximate Shipping Weight</b>	0.4 lbs (0.20kg)		

### HOW TO ORDER

Sample Order Number: **238TSC 15 C A 0/60 E1 3**

Model	Process Connection	Accuracy	Units of Measure	Range Code	Electrical Connection	Cable Length (omit if none)	Output Signal
238TSC	15 1 1/2" Tri-Clamp*	C 0.5% FS (0.35% BFSL)	A psi	See Standard Ranges	E1 DIN 175301-803 (A) "std"	Specify Length in Feet (ie., 3 Ft=003)	3 4-20mA (2-wire)
	20 2" Tri-Clamp				E4 PUR Cable (3 Ft Std)		2 0-10 Vdc (3-wire)
					E9 M12 (S723) 4 pin		

\* Use for 1" clamp connection.

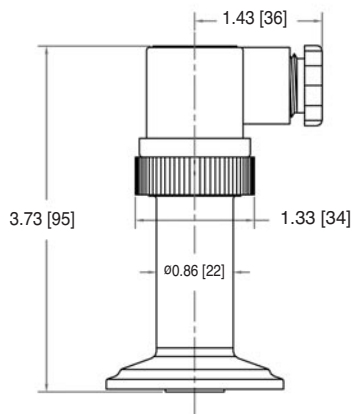
Multiple electrical connections, output signals and process connections are available, Please consult factory.

# Model 238TSC

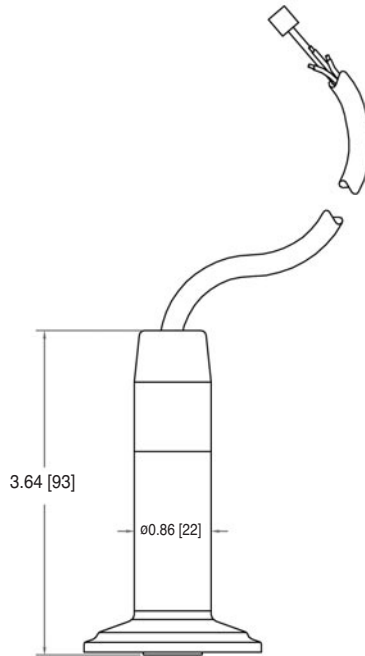
## High Precision Transmitter—Sanitary Style Connection

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

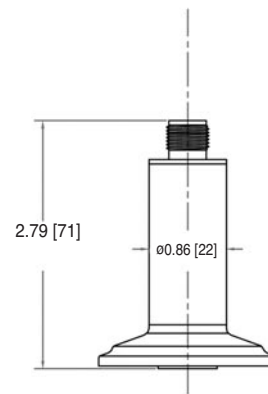
### E1 90° Angle “std” Connector DIN 175301-803 (A)



### E4 PUR Cable (3 Feet Standard)

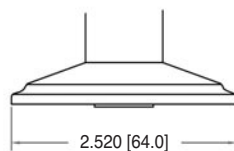


### E9 M12 (S723) 4 pin

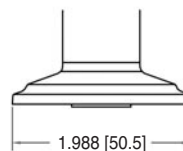


Clamps, gaskets and ferrules are not supplied by Trerice

### Clamp Connections • ISO 2852



2" Clamp Connection



1" & 1 1/2" Clamp Connection

## Standard Ranges

psi Ranges (A)			
Range Code	Specific Range	Overpressure Limit	Burst Pressure
0/10	0 to 10 psi	15 psi	29 psi
0/15	0 to 15 psi	23 psi	44 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
0/400	0 to 400 psi	600 psi	1160 psi
0/600	0 to 600 psi	900 psi	1740 psi

**Classification;** UL® Classified and Listed to NSF/ANSI Standard 61 & 372 of  
“Safe Drinking Water Act”

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.

# 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<sub>2</sub>O 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

Model	260TSB • Submersible Level Transmitter		
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		
Accuracy at 77° F (25°C)	BFSL	Full Scale	
		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, PUR Cable-Heavy Duty 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:	$\leq \frac{V_{SUPPLY} - 10 \text{ Vdc}}{0.02 \text{ A}}$	
	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)		

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

### HOW TO ORDER

Model	Accuracy	Units of Measure	Range Code	Electrical Connection	Cable Length	Output Signal
260TSB	C 0.5% FS (0.35% BFSL)	U in H <sub>2</sub> O A psi	See Standard Ranges	E4 PUR Cable	Specify Length in Feet (ie., 600 ft. max)	3 4–20mA (2-wire)
				E5 PUR Cable-Heavy Duty		2 0–10 Vdc (3-wire)
				E6 FEP Cable		

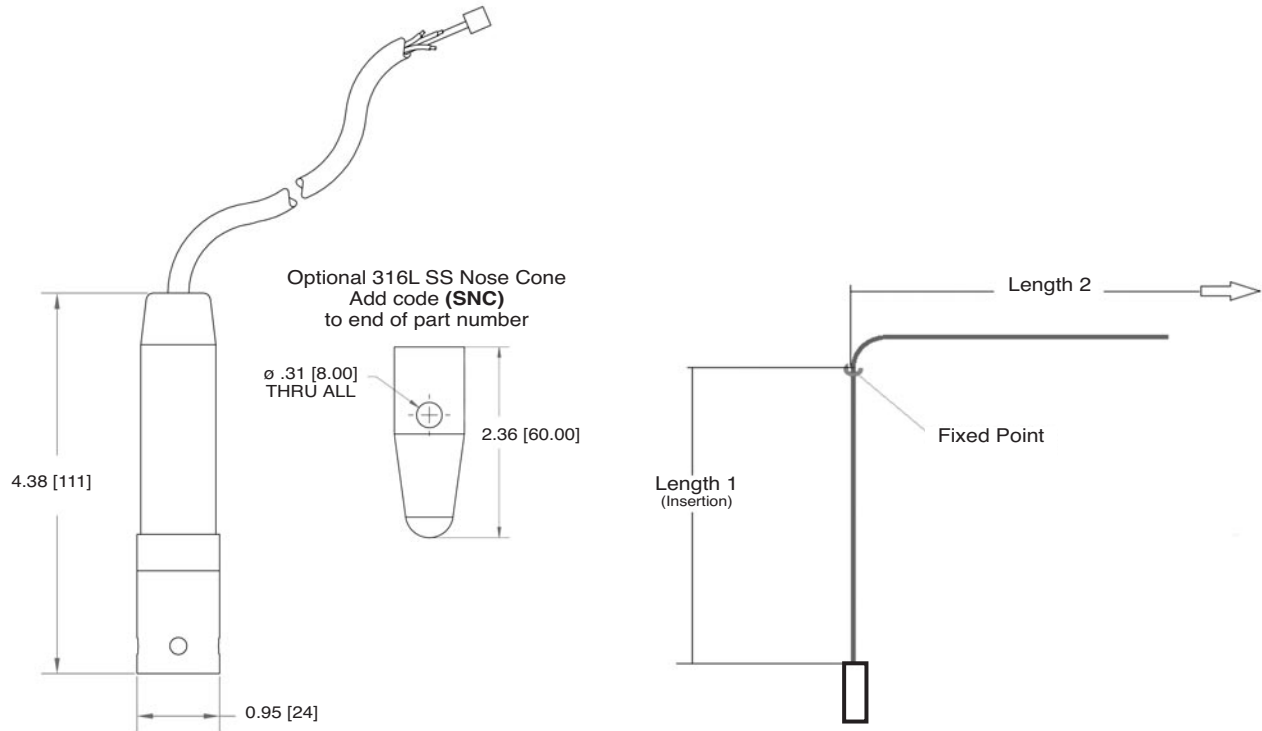
Multiple electrical connections, output signals and process connections are available. Please consult factory.



# Model 260TSB

## Submersible Level Transmitter

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



INDUSTRIAL TRANSMITTERS

### 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)
E5	PUR (Polyurethane) Heavy Duty	130 feet (40 m)	470 feet (145 m)
E6	FEP (Fluorinated-Ethylene-Propylene)	100 feet (30 m)	500 feet (150 m)

### Standard Ranges

in. H <sub>2</sub> O Ranges (U)			
Range Code	Specific Range	Overpressure Limit	Burst Pressure
0/40	0 to 40 in. H <sub>2</sub> O	100 in. H <sub>2</sub> O	240 in. H <sub>2</sub> O
0/60	0 to 60 in. H <sub>2</sub> O	150 in. H <sub>2</sub> O	360 in. H <sub>2</sub> O
0/100	0 to 100 in. H <sub>2</sub> O	250 in. H <sub>2</sub> O	600 in. H <sub>2</sub> O
0/160	0 to 160 in. H <sub>2</sub> O	400 in. H <sub>2</sub> O	960 in. H <sub>2</sub> O
0/200	0 to 200 in. H <sub>2</sub> O	500 in. H <sub>2</sub> O	1200 in. H <sub>2</sub> O
0/300	0 to 300 in. H <sub>2</sub> O	750 in. H <sub>2</sub> O	1800 in. H <sub>2</sub> O

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
0/10	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.

# Model 261TSG

## Submersible Level Transmitter with Sensor-Guard

### Applications

- Lift Stations
- Storage Tanks
- Waste Water Systems
- Process Sludge
- Rivers and Lakes
- Wet Wells

Model 261TSG



### Features

- Ranges from 0-40 in. H<sub>2</sub>O thru 0 to 300 psi
- Diaphragm has large 5.9 in<sup>2</sup> Sensing Area for increased sensitivity
- 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
- Barrier plate helps protect diaphragm providing years of clog-free operation
- PUR-cable has integral capillary tube for relative pressure balancing (includes GORE-TEX® filter)
- 316L Stainless steel wetted parts

The **TRERICE 261TSG** "Submersible Transmitter with Sensor Guard" provides accurate measurement of sludge levels, pump lift stations and other viscous applications where clogging of the sensor is a common problem. The flush diaphragm has 5.9 in<sup>2</sup> of surface area providing increased sensitivity, while the 316L barrier plate and cage assembly help eliminate the buildup of debris, grease and bio-solids.

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

**Model** 261TSG • Submersible Level Transmitter

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

**Process Connection** Direct Submersion with Sensor-Guard

#### Materials of Construction

Wetted Parts: 316L stainless steel,  
Polyurethane (PUR) Cable

**Pressure Transmission Liquid** Silicone Oil

	BFSL	Full Scale
<b>Accuracy at 77° F (25°C)</b>	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, PUR Cable-Heavy Duty  
FEP (Fluorinated-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:  $\leq \frac{V_{SUPPLY} - 10 \text{ Vdc}}{0.02 \text{ A}}$   
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** 4.0lbs (1.80kg)  
Cable only: .02 lbs (0.009kg) per foot

### HOW TO ORDER

Sample Order Number: **261TSG C U 0/300 E4 100 3**

Model	Accuracy	Units of Measure	Range Code	Electrical Connection	Cable Length	Output Signal
261TSG	C 0.5% FS (0.35% BFSL)	U in H <sub>2</sub> O A psi	See Standard Ranges	E4 PUR Cable E5 PUR Cable-Heavy Duty E6 FEP Cable	Specify Length in Feet (ie., 600 ft. max)	3 4-20mA (2-wire) 2 0-10 Vdc (3-wire)

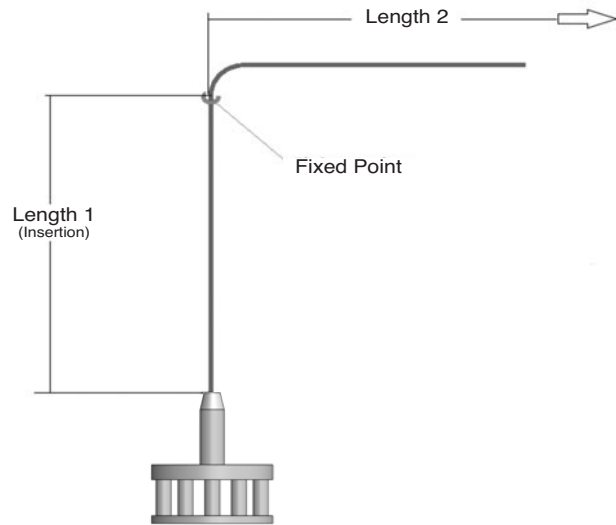
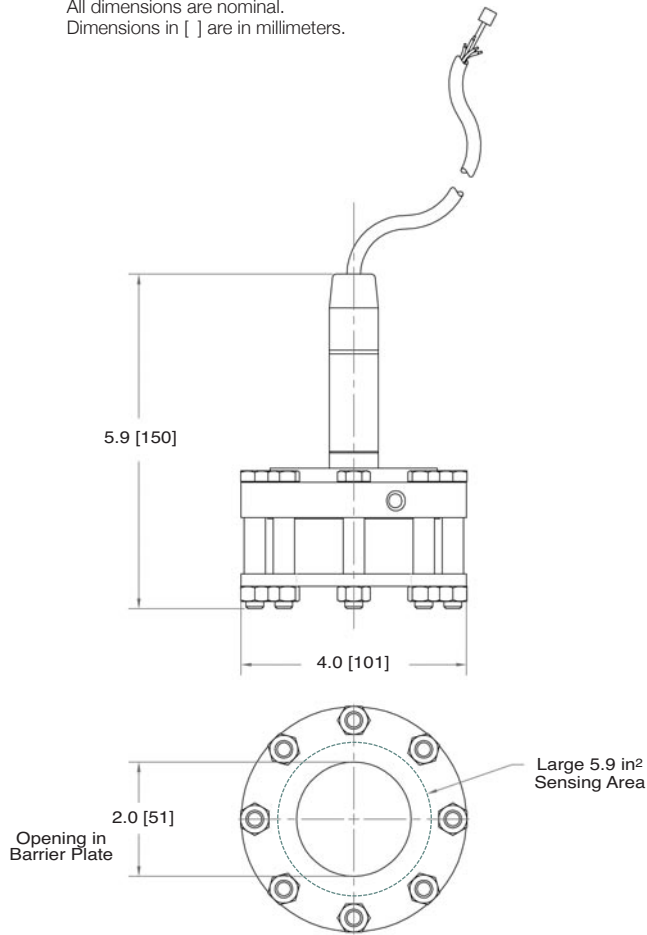
Multiple electrical connections, output signals and process connections are available. Please consult factory.

# Model 261TSG

## Submersible Level Transmitter with Sensor-Guard

INDUSTRIAL TRANSMITTERS

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)
E5	PUR (Polyurethane) Heavy Duty	130 feet (40 m)	470 feet (145 m)
E6	FEP (Fluorinated-Ethylene-Propylene)	100 feet (30 m)	500 feet (150 m)

### Standard Ranges

in. H <sub>2</sub> O Ranges (U)			
Range Code	Specific Range	Overpressure Limit	Burst Pressure
0/40	0 to 40 in. H <sub>2</sub> O	100 in. H <sub>2</sub> O	240 in. H <sub>2</sub> O
0/60	0 to 60 in. H <sub>2</sub> O	150 in. H <sub>2</sub> O	360 in. H <sub>2</sub> O
0/100	0 to 100 in. H <sub>2</sub> O	250 in. H <sub>2</sub> O	600 in. H <sub>2</sub> O
0/160	0 to 160 in. H <sub>2</sub> O	400 in. H <sub>2</sub> O	960 in. H <sub>2</sub> O
0/200	0 to 200 in. H <sub>2</sub> O	500 in. H <sub>2</sub> O	1200 in. H <sub>2</sub> O
0/300	0 to 300 in. H <sub>2</sub> O	750 in. H <sub>2</sub> O	1800 in. H <sub>2</sub> O

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
0/10	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.



# Junction Box for Submersible Level Transmitter

Part Number: 201-0002

INDUSTRIAL TRANSMITTERS

## Application

For use with the 260TSB or 261TSG Submersible Level Transmitter, this surface-mountable Junction Box features an IP65 enclosure to protect the reference hose of the transmitter against the intrusion of dust or water, as well as an internal terminal block and pressure compensation port with filter element.



## Technical Data

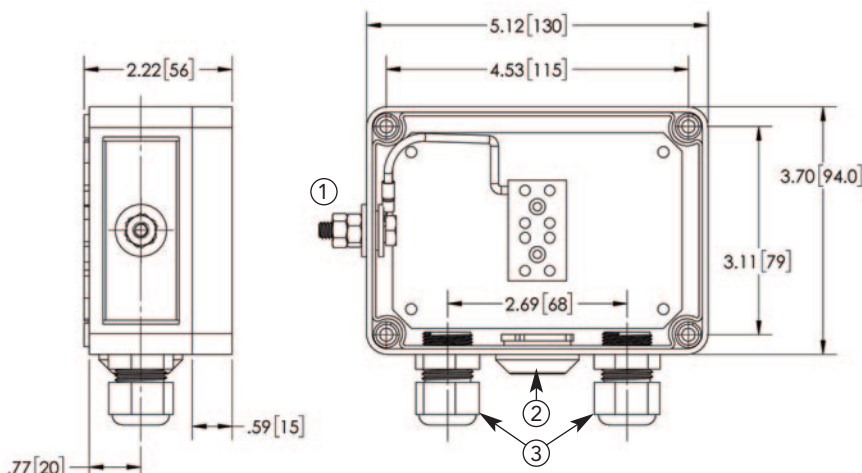
Enclosure Material: Polystyrene  
Gasket Material: Polyurethane  
Mounting: Surface Mount w/4 screws  
Cable Connection: (2) PG 11 Cable Glands  
Protection: IP65 (NEMA 4X)

Working Temperature: -40 to 158F (-40 to 70C)  
Approximate Shipping Weight: 0.7 lbs [0.32 kg]

## Dimensions

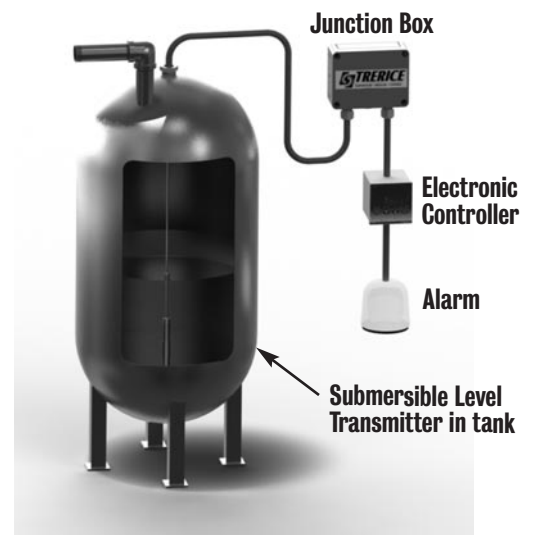
All dimensions are nominal. Dimensions in [ ] are in millimeters.

### Junction Box with Pressure Compensation Port



① Ground    ② Pressure Compensation Port    ③ Cable Glands (PG11)

## Typical Installation



# LED Digital Indicator Module

Part Number: 201-0004



## Applications

- Plug in digital indicator for use with transmitters having 4-20mA output and E1 (DIN 175301-803 A) electrical connection
- Indicator face plate can be turned in 90° steps for multiple viewing angles
- Requires no external power
- 4 Digit LED display

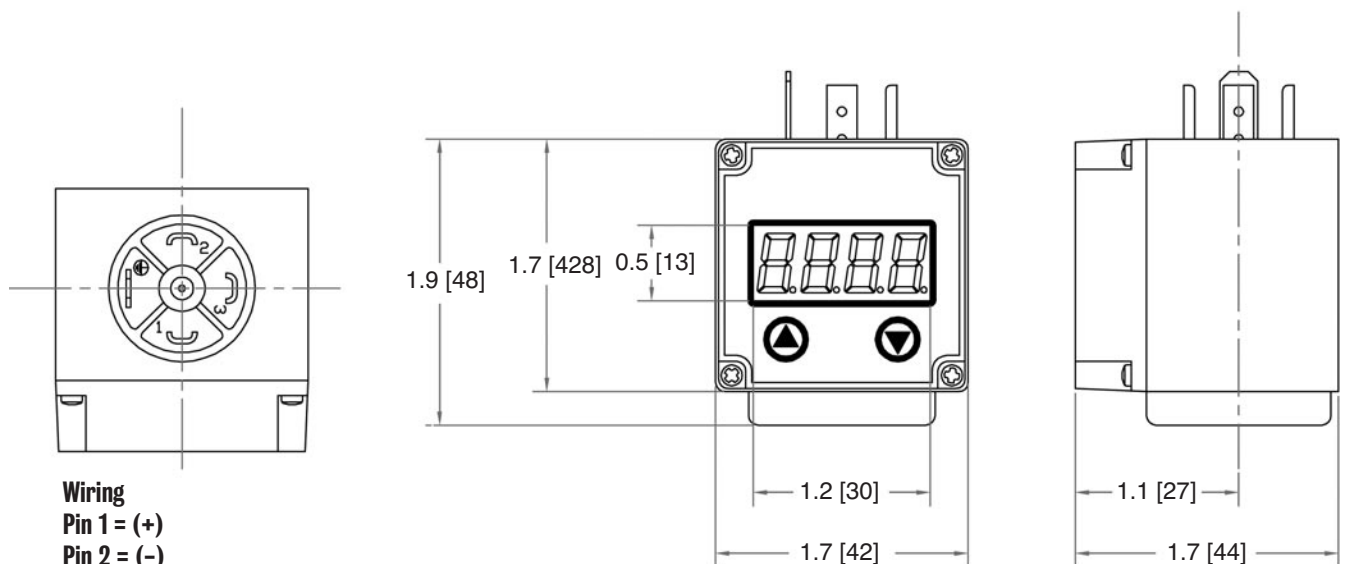
## Technical Data

**Power supply :** Loop-powered  
**Integrated ADC:** 16 bit  
**Display:** -1999 to 9999  
**Input:** 4-20mA  
**Output:** 4-20mA

**Circuit Protection:** Protected against reverse polarity and short circuits  
**Working Temperature:** -4 to 158°F (-20 to 70° C)  
**Stock Temperature:** -22 to 185°F (-30 to 85° C)  
**Protection:** IP 67  
**Approximate Shipping Weight:** 0.15 lbs [0.07 kg]

## Dimensions

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







# Industrial Pressure Transmitters

## INSTALLATION AND OPERATION INSTRUCTIONS

### Authorized Personnel

Installation and set up of pressure transmitters should only be done by individuals that are familiar with the applicable national regulations (such as NFPA) and have the appropriate qualifications. Depending on the application conditions, it is necessary that personnel have appropriate knowledge, e.g. concerning corrosive products or high pressure.

### Product Application

- When installing and placing the pressure transmitter into operation, please observe the accident prevention regulations as defined by qualified organizations (such as NFPA).
- Trerice Pressure transmitters are suited for measuring pressure in applications with gaseous and liquid media.
- Please observe the pressure, force and temperature limits as defined in these Installation & Operating Instructions or in the technical specification sheets.
- Ambient conditions (temperature, air pressure, humidity, etc.) should always be considered.
- Never expose the product to heavy vibrations or physical impact.
- Use the pressure transmitter in its original state only. Do not tamper with the product. There are no serviceable components and the device does not require maintenance.
- Prior to installation remove all protective packaging materials (e.g. film, caps, cardboard etc.)
- Packaging materials should be responsibly recycled.

### Operating Conditions

- Deviations from the operating conditions specified in the technical data sheet (i.e. "Operating Temperature Ranges") may result in damage to the pressure transmitter.
- Protection class IP65/IP67 may not apply to all operating conditions. This protection class applies only when the transmitter's electrical connection is properly attached to the mating plug with gaskets in place. It is the user's responsibility to verify that the connection corresponds with all applicable regulations and provisions.
- The values quoted in the technical data sheet for "Overpressure Limits" refer to the wetted parts of the transmitter that are directly exposed to the process medium.

### How to Install the Pressure Transmitter

- Use the appropriate wrench to install the pressure transmitter into the respective pressure connection. The torque is approximately 25 Nm.
- For connections that require the use of a sealing ring, verify the respective dimensions of the ring prior to use.
- All wiring must meet local regulations and must be performed by qualified personnel only. Use cable that is appropriate to the installation environment. DO NOT CRUSH CABLE. Electrical power must be connected in accordance with the respective connection diagram; otherwise damage/destruction may occur.
- All seals must be positioned and assembled appropriately for the IP protection class to apply.

### How to Remove the Pressure Transmitter

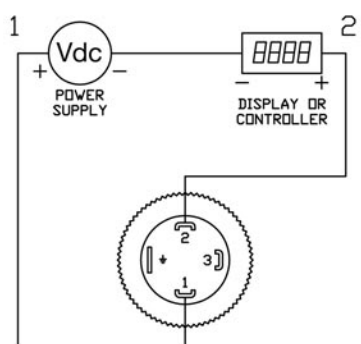
- Please observe applicable safety regulations when removing the pressure
- Prior to removing transmitter from application, system MUST be depressurized. Failure to do so may result in damage or personal injury.

# Industrial Pressure Transmitters

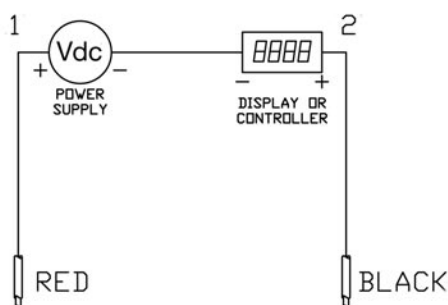
## Electrical Connections Wiring Diagram

### 2- Wire Circuits (4 20mA)

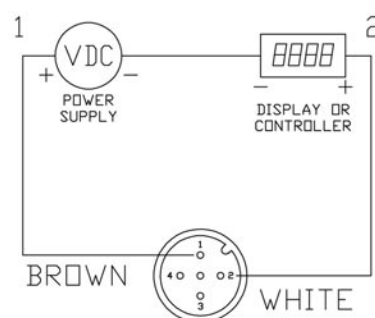
#### DIN 175301-803 (A)



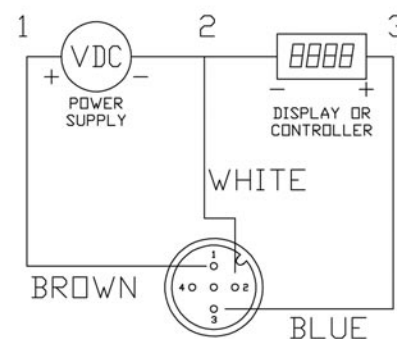
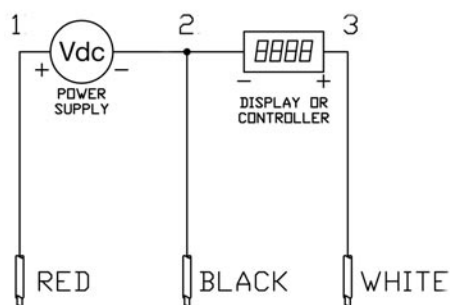
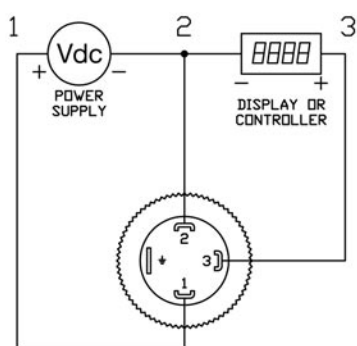
#### Shielded Cable



#### M12 (S7243) 4 pin



### 3- Wire Circuits (0-10Vdc)



# Miscellaneous Information

## Warranty

The H. O. Trerice Co. warrants products of its manufacture to be free from defects in workmanship and material for a period of one year from the date of shipment to the original purchaser. Trerice will repair or replace such product (F.O.B. Factory) should our internal examination reveal it to be defective. Product used in conjunction with non-Trerice product, or in any way modified or altered, may not be covered under the terms of this warranty. Trerice assumes no other responsibility or liability.

## Trademarks

The following trademarks are not owned by Trerice and are the property of their respective owners:

Tri-Clamp®  
Teflon®  
Viton®

## Organizations

The H. O. Trerice Co. recognizes the following organizations: Fluid Controls Institute (FCI), Valve Manufacturers Association of America (VMA) and the International Society of Automation (ISA). These nonprofit associations work with manufacturers and other organizations to develop standards and exchange statistical and technical knowledge.

## Caution

All Trerice products should be carefully selected to meet the demands of the particular application. The information contained in this catalog is offered only as a guide to assist in making the proper selection. Selection of the proper product, as well as its installation and use, is the sole responsibility of the user. Improper application or product misuse may cause failure of the product, resulting in possible personal injury or property damage. For correct use and application of all Trerice products, please refer to the proper standard set forth by ASME. These documents may be obtained from the American Society of Mechanical Engineers (ASME), Three Park Avenue, New York, NY 10016-5990.

## A word about this catalog

The information contained in this catalog was correct at the time of printing. Due to the Trerice commitment of continuous development and improvement, these specifications are subject to change without notice. Any information contained within this catalog should not be interpreted as a contractual agreement by Trerice. All orders are subject to the approval of the H.O. Trerice Co., Oak Park, Michigan.





## Pressure Transmitters



### H.O. TRERICE

From its start in 1923 in Detroit, the **H.O. Trerice Company** has remained true to the commitment of its founder - **QUALITY** in both **PRODUCT** and **SERVICE**. This commitment has solidly established Trerice as a worldwide leader in the manufacture of specialized engineered products for industrial temperature and pressure measurement and control.

When your requirements demand quality instrumentation and controls, the broad line of Trerice products are ready for your application. Contact us today for detailed information on your particular areas of interest.

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