

Nomenclature for Type PTSD / PTHD (D Cell) Pressure Transmitter

		PT		D					
		03	05	06	07	08	09		
Version									
SMART (Bailey FSK)		S							
HART™		H							
Measurement Application									
Absolute Pressure			A						
Differential Pressure			D						
Gage Pressure			G						
Measurement Range									
<u>Nominal Range</u>		<u>Minimum Range</u>		<u>Available Types</u>					
kPa	In. H ₂ O/psi	kPa	in. H ₂ O/psi						
0 to 1.5	0 to 6 in. H ₂ O	0 to 0.1	0 to 0.4 in. H ₂ O	PT_DD.....	A				
0 to 7.5	0 to 30 in. H ₂ O	0 to 0.4	0 to 1.5 in. H ₂ O	PT_DD & PT_DG.....	B				
0 to 30	0 to 120 in. H ₂ O	0 to 1.5	0 to 6 in. H ₂ O	PT_DD & PT_DG.....	C				
0 to 90	0 to 360 in. H ₂ O	0 to 4.5	0 to 18 in. H ₂ O	ALL.....	D				
0 to 500	0 to 75 psi	0 to 25	0 to 3.8 psi	ALL.....	F				
0 to 1800	0 to 260 psi	0 to 90	0 to 13 psi	PT_DD & PTSDG.....	G				
0 to 6000	0 to 900 psi	0 to 300	0 to 60 psi	PT_DD & PTSDG.....	H				
Diaphragm Material and Fill Fluid									
<u>Diaphragm</u>		<u>Fill Fluid</u>		<u>Available Types</u>					
Hast C-276	Silicone Oil			ALL					
Hast C-276	Fluorinated Oil			ALL	A				
High Pressure Side Flange									
<u>Material</u>				<u>Purge Valve</u>	<u>Available Types</u>				
316 Stainless Steel				Side ALL	2				
316 Stainless Steel				RearALL.....	4				
Hast C-276				Side ALL.....	B				
Hast C-276				RearALL.....	D				
Low Pressure Side Flange									
<u>Material</u>				<u>Purge Valve</u>	<u>Available Types</u>				
316 Stainless Steel				Side ALL.....	2				
316 Stainless Steel				Rear ALL.....	4				
Hast C-276				Side PT_DD.....	B				
Hast C-276				RearPT_DD.....	D				

PT __ D

				10	11	12	13
Bolting and O-Rings							
<u>Bolting Mat'l</u>	<u>Pressure Ratingt</u>		<u>O-Ring Mat'In</u>	<u>Available Types</u>			
	kPa	psi					
Carbon Steel	25000	3625	Viton	ALL	1		
Stainless Steel	20000	2900	Viton	ALL	2		
ASTM A193 B7M for NACE Class 2	20000	2900	Viton	ALL but PT_D__Q	3		
Carbon Steel	41000	6000	Viton	Selected PT_DD	4		
Stainless Steel	41000	6000	Viton	Selected PT_DD	5		
ASTM A193 B7M for NACE Class 2	41000	6000	Viton	Selected PT_DD	6		
Carbon Steel	25000	3625	Teflon(PTFE)	ALL	A		
Stainless Steel	20000	2900	Teflon(PTFE)	ALL	B		
ASTM A193 B7M for NACE Class 2	20000	2900	Teflon(PTFE)	ALL but PT_D__Q	C		
Carbon Steel	41000	6000	Teflon(PTFE)	Selected PT_	D		
Stainless Steel	41000	6000	Teflon(PTFE)	Selected PT_DD	E		
ASTM A193 B7M for NACE Class 2	41000	6000	Teflon(PTFE)	Selected PT_DD	F		
Adapters and Mounting Bracket							
<u>Adapters (2 for PTSDD)</u>	<u>Mounting Bracket</u>		<u>Available Types</u>				
None	None		ALL	0			
None	Zinc Plated Carbon Steel		ALL	1			
None	316L SST		ALL	3			
1/2 NPT 316 SST	None		ALL	A			
1/2 NPT 316 SST	Zinc Plated Carbon Steel		ALL	B			
1/2 NPT 316 SST	316L SST		ALL	D			
1/2 NPT Hast C-276	None		ALL	M			
1/2 NPT Hast C-276	Zinc Plated Carbon Steel		ALL	N			
1/2 NPT Hast C-276	16L SST		ALL	Q			
Certifications							
NEMA 4X - ABB Standard				0			
NEMA 4X and FM and CSA Explosion-proof & Intrinsically Safe				2			
NEMA 4X and CENELEC Flame-proof & Intrinsically Safe				1			
Housing & Electrical Connection							
<u>Housing</u>	<u>Electrical Connection</u>		<u>Available Types</u>				
Std-Low Copper Light Alloy AL	Two 1/2 NPT with One Plug		ALL	1			
Stainless Steel 316 Housing	Two 1/2 NPT with One Plug		ALL	A			

Indicator, Transient Suppressor and EZ Cal Option

<u>Local Indicator</u>	<u>Transient Suppressor</u>	<u>EZ CAL Option</u> ⊛	<u>Available Types</u>
Not Included	Not Included	Not Included	ALL 0
Not Included	Included	Not Included	ALL 1
Not Included	Not Included	Included	ALL 3
Not Included	Included	Included	ALL 4
Liq. Crystal Display	Not Included	Not Included	ALL A
Liq. Crystal Display	Included	Not Included	ALL B
Liq. Crystal Display	Not Included	Included	ALL D
Liq. Crystal Display	Included	Included	ALL E

Configuration, Tagging and Accessories (Manifolds/Flow Elements)

<u>Configuration</u>	<u>Customer Tagging</u>	<u>Accessories</u>	<u>Available Types</u>
Standard*	Not Included	None	ALL 0
Standard*	Riveted SST***	None	ALL 1
Standard*	Wired SST***	None	ALL 2
Standard*	Not Included	Mounted	ALL 4
Standard*	Riveted SST***	Mounted	ALL 5
Standard*	Wired SST***	Mounted	ALL 6
Custom**	Not Included	None	ALL A
Custom**	Riveted SST***	None	ALL B
Custom**	Wired SST***	None	ALL C
Custom**	Not Included	Mounted	ALL E
Custom**	Riveted SST***	Mounted	ALL F
Custom**	Wired SST***	Mounted	ALL G

* Standard: Transmitter will be calibrated to the nominal measurement range.

** Custom: Transmitter will be calibrated to customer's specified measurement range.

*** All units are provided with nameplates (SS) riveted which include serial number and full model number. This option provides 2 lines of 15 characters for additional customer tagging information.

Notes:

- ❖ For gage pressures above 10 psig (277" H2O), we recommend you consider the PTSP or PTHP style units.
- ◆ The pressure rating for measurement range A transmitters is 2000 kPa (300 psi).
- Ethylene Propylene O-ring — available on request
- Process adapters are not required with the filled system
- ⊛ EZ CAL cannot be used with Stainless Steel Housing Field 13 Item A.