

DYNISCO MODELS PT4624, PT4625 & PT4626

Amplified Output Melt Pressure Transmitters with Flexible Stem

Description

Models PT4624, PT4625 and PT4626 add built-in amplifiers to the basic PT462E melt pressure transducer, eliminating the need for external signal conditioning. All models interface directly with distributed control systems, PLCs, computers and similar high level control devices.

Features

- Better than $\pm 0.5\%$ accuracy
- 4 to 20 mA, 0 to 5 Vdc, 1 to 6 Vdc, 0 to 10 Vdc, 1 to 11 Vdc outputs
- Flexible stem
- 0 - 500 to 0 - 30,000 psi
- Internal 80% shunt calibration
- Adjustable zero and span

Benefits

- Reliable pressure measurement
- Direct input to supervisory control systems
- Easy to install, ideal for high local temperature
- Choice of pressure ranges
- Easy set-up
- Adapt transmitter to process conditions



Specifications

Performance Characteristics

Ranges (psi): 0 - 500, 0 - 750, 0 - 1,000, 0 - 1,500, 0 - 3,000, 0 - 5,000, 0 - 7,500, 0 - 10,000, 0 - 15,000, 0 - 20,000, 0 - 30,000
Accuracy: $\pm 0.5\%$ FSO
Repeatability: $\pm 0.2\%$ FSO

Electrical Characteristics

PT4624:

Output: 4 to 20 mA, 2-wire
Input voltage: 14 to 36 Vdc
Load resistance: 0 to 1,100 Ohms
Zero adjustment: $\pm 20\%$
Span adjustment: $\pm 20\%$
Shunt calibration: 80% FSO (all models)

PT4625:

Output: 0 to 5 Vdc
Input voltage: 11 to 36 Vdc
Load resistance: 2,000 Ohms minimum
Zero balance adjustment range: $\pm 15\%$
Span adjustment range: $\pm 15\%$

PT4626:

Output: 0 to 10 Vdc
Input voltage: 16 to 36 Vdc
Load resistance: 2,000 Ohms minimum
Zero balance adjustment range: $\pm 15\%$
Span adjustment range: $\pm 15\%$

Temperature Characteristics

Transducer diaphragm

Maximum diaphragm temperature: 750°F (400°C)
Zero shift due to temperature change: 25 psi/100°F (45 psi/100°C)

Mounting torque: 500 inch-lbs. maximum

Maximum pressure: 2 x full range or 35,000 psi (whichever is less)

Material in contact with pressure media: 15-5 PH stainless steel, DyMax™ coated
Weight: 2 lbs.



PT4625B:

Output: 1 to 6 Vdc
Input voltage: 11 to 36 Vdc
Load resistance: 2,000 Ohms minimum
Zero balance adjustment range: $\pm 15\%$
Span adjustment range: $\pm 15\%$

PT4626B:

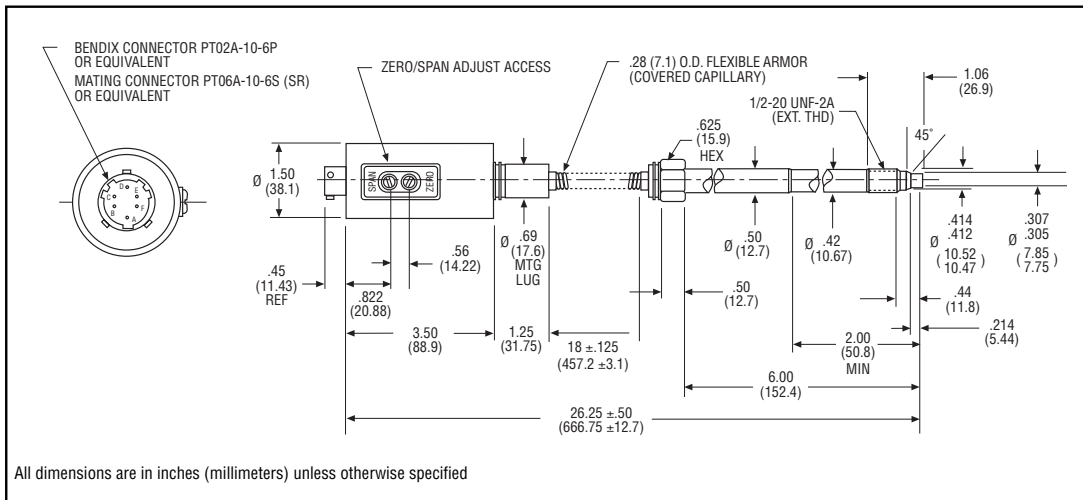
Output: 1 to 11 Vdc
Input voltage: 16 to 36 Vdc
Load resistance: 2,000 Ohms minimum
Zero balance adjustment range: $\pm 15\%$
Span adjustment range: $\pm 15\%$

Electronics housing

Operating temperature range: -20°F to +160°F (-29°C to +71°C)
Temperature effects over a compensated range of +30°F to +160°F (-1°C to +71°C):
Thermal effect on zero: $\pm 0.05\%$ of full scale/°F
Thermal effect on span: $\pm 0.02\%$ of full scale/°F

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Amplified Output Melt Pressure Transmitters with Flexible Stem



Ordering Guide

Model	Pressure Range (psi)		Rigid Stem		Flexible Stem	
	Code	Range	Code	Length	Code	Length
PT4624	5C	0 - 500				
(4 - 20 mA)	7.5C	0 - 750				
PT4625	1M	0 - 1,000				
(0 - 5 Vdc)	1.5M	0 - 1,500	3	3"		
PT4625B	3M	0 - 3,000	4	4"		
(1 - 6 Vdc)	5M	0 - 5,000	6	6"	18	18"
PT4626	7.5M	0 - 7,500	9	9"		
(0 - 10 Vdc)	10M	0 - 10,000	12	12"		
PT4626B	15M	0 - 15,000				
(1 - 11 Vdc)	20M	0 - 20,000				
	30M	0 - 30,000				

Ordering Example: PT4624 - 5M - 6/18

- Mating connector P/N711600 or 6 - pin cable assembly sold separately. Refer to Accessories and Options Section.
- Transducer Options: Refer to Accessories and Options Section for complete information on stem length, transducer diaphragm, diaphragm and thread coatings and fill media.