

Melt Pressure Transducers

Melt Pressure Transducers Standard Sizes and Ranges

Style	Combined Error	Connector	Pressure Range	Output	Stem Length	Flex Length	Part Number
Rigid Stem	0.5% CE	6 Pin	0-5000	3.33 mV/V	6"	None	PDD00101
Rigid Stem	0.5% CE	6 Pin	0-7500	3.33 mV/V	6"	None	PDD00102
Rigid Stem	0.5% CE	6 Pin	0-10000	3.33 mV/V	6"	None	PDD00103
Rigid Stem	0.5% CE	6 Pin	0-15000	3.33 mV/V	6"	None	PDD00104
Rigid/Flex Armor	0.5% CE	6 Pin	0-5000	3.33 mV/V	6"	18"	PDD00105
Rigid/Flex Armor	0.5% CE	6 Pin	0-7500	3.33 mV/V	6"	18"	PDD00106
Rigid/Flex Armor	0.5% CE	6 Pin	0-10000	3.33 mV/V	6"	18"	PDD00107
Rigid/Flex Armor	0.5% CE	6 Pin	0-15000	3.33 mV/V	6"	18"	PDD00108
Rigid/Flex Armor with T/C	0.5% CE	6 Pin	0-5000	3.33 mV/V	6"	18"	PDD00109
Rigid/Flex Armor with T/C	0.5% CE	6 Pin	0-7500	3.33 mV/V	6"	18"	PDD00110
Rigid/Flex Armor with T/C	0.5% CE	6 Pin	0-10000	3.33 mV/V	6"	18"	PDD00111
Rigid/Flex Armor with T/C	0.5% CE	6 Pin	0-15000	3.33 mV/V	6"	18"	PDD00112

Ordering Code: **PDD** - 1 2 3 4 5 6 7 8 9 10

Style BOX 1

- A** = Rigid Stem
- B** = Flexible Armor Tubing
- C** = Transducer with Type J Thermocouple

Error Tolerance BOX 2

- 1** = 0.5% Combined Error (CE) (*Most Common*)
- 2** = 0.25% CE

Connector BOX 3

- S** = Six-Pin (*Most Common*)
- E** = Eight-Pin
- X** = Special

Pressure Range BOX 4

- A** = 0-500 PSI (0.5% CE only)
- B** = 0-750 PSI (0.5% CE only)
- C** = 0-1000 PSI (0.5% CE only)
- D** = 0-1500 PSI
- E** = 0-3000 PSI
- F** = 0-5000 PSI
- G** = 0-7500 PSI
- H** = 0-10000 PSI
- J** = 0-15000 PSI
- K** = 0-20000 PSI
- L** = 0-35 BAR (0.5% CE only)
- M** = 0-50 BAR (0.5% CE only)
- N** = 0-70 BAR (0.5% CE only)
- P** = 0-100 BAR
- Q** = 0-200 BAR
- R** = 0-350 BAR
- S** = 0-500 BAR
- T** = 0-700 BAR
- U** = 0-1000 BAR
- V** = 0-1400 BAR

Stem Length BOX 5

- 1** = 6 inches (*Most Common*)
- 2** = 12.5 inches
- 3** = 3 inches
- 0** = Other

Flex Length BOX 6

- 00** = None (Style A)
- 18** = 18 Inches* (Styles B & C)
- 24** = 24 Inches* (Styles B & C)
- 30** = 30 Inches* (Styles B & C)

*Other sizes can be made on special request.

Diaphragms BOX 7

- A** = Stainless Steel, 0.0045" (Standard) with GTP+ Coating 750°F/400°C
- B** = 0.0045" Hastelloy® 570°F/300°C
- C** = 0.0045" Chromium Nitride
- D** = 0.008" Chromium Nitride (7500 PSI & up only) 570°F/300°C
- E** = 0.006" Inconel with Titanium Aluminum Nitride 1000°F/538°C
- F** = 0.0045" Titanium Nitride
- G** = 0.008" Titanium Nitride (7500 PSI & up only) 1000°F/538°C
- X** = Other

Output BOX 8

- 0** = Custom
- 1** = 3.33 mV/V (Standard)
- 2** = 4 to 20 ma
- 3** = 0 to 5 Vdc
- 4** = 0 to 10 Vdc
- 5** = 0.5 to 9.5 Vdc

Capillary Fill Material BOX 9

- A** = Mercury (Standard) 750°F/400°C
- B** = Oil-FDA approved 600°F/315°C
- C** = NaK (Sodium Potassium) 1000°F/528°C

Thread BOX 10

- 1** = 1/2-20 (Standard)
- 2** = M18 x 1.5
- X** = Other

ADDITIONAL OPTIONS AVAILABLE...

Exposed Capillary Transducer: for applications requiring a transducer capable of fitting into extremely tight places.

Connectors (*consult Tempco if you require one of these options*)

Gentran GT-76 compatible wiring: strain gauge connector is wired for compatibility with Gentran GT-76 connector.

Barber Coleman TD10 compatible wiring: strain gauge connector is wired for compatibility with Barber Coleman TD10 connector.

Ordering Information

Melt Pressure Transducers are offered with the options listed in the worksheet above. Create an ordering code by filling in the boxes with the appropriate number and/or letter designation for your requirements and a part number will be assigned.

Part Numbers for commonly used Melt Pressure Transducers can be found in table above.

Standard lead time is stock to 3 weeks.

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

View Product Inventory @ www.tempco.com