

## 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](http://www.P65Warnings.ca.gov).

**View Product Inventory @ [www.tempco.com](http://www.tempco.com)**