

Product Introduction:

ONEhalf20 Oil Filled Melt Pressure Transmitters are designed specifically for food, packaging and medical processing applications. The food grade oil fill material meets the requirements of both the FDA and the USDA. This series of melt pressure transmitters utilize a Wheatstone Bridge - bonded strain gauge design insuring high accuracy, reliability and repeatability.

ONEhalf20 Oil Filled Melt Pressure Transmitters are available in two distinct styles. The CTO style melt pressure transmitter is the classic melt pressure transmitter design. The CTO style melt pressure transmitter comprises a 6" rigid stem, along with 18" of flexible capillary, for optimal thermal isolation. The RTO style melt pressure transmitter, has only a 6" rigid stem, and is a rigid stem only version of the classic melt pressure transmitter.

Features:

- wide variety of pressure ranges
- significant price benefit over competitor models
- 100% form, fit and function with all competitor models utilizing the Bendix 6 pin bayonet style connector
- fully compatible with the industry standard wiring pattern and colour coding
- oil fill meets FDA and USDA requirements



General Specifications:

Mechanical

Pressure Ranges:	0-1,500 psi to 0-10,000 psi metric ranges available
Mounting:	1/2-20 UNF thread
Mounting Torque:	500 inch pounds maximum
Diaphragm:	15-5PH stainless steel
Overload Capacity:	2 times FSO
Temperatures:	diaphragm 615°F electronics 225°F
Accuracy:	1% FSO
Repeatability:	better than 0.20% FSO
Zero Balance:	+/- 10%

Electrical

Type:	bonded strain gauge, 4 leg Wheatstone Bridge
Bridge Resistance:	350 Ohm +/- 10%
Connector:	6 pin Bendix style bayonet
Output:	4-20 mA or 0-10 Vdc
Excitation Voltage:	24 Vdc
Calibration:	internal 80% FSO
Insulation:	1,000 Megohms at 50 Vdc



Ordering Guide:

Model Number

CTO
RTO

Transducer Style

rigid stem with 18" flex armor
rigid stem only (no flex armor)

Accuracy

"no designation"

1.0% Accuracy - standard

Rigid Stem Length

3
6
12

3"
6" - standard
12"

Output

MA
V

4-20 mA
0 -10 Vdc

Standard Pressure Ranges

-1.5M	0 - 1,500 psi	-1CB	0 - 100 bar
-3M	0 - 3,000 psi	-2CB	0 - 200 bar
-5M	0 - 5,000 psi	-3.5CB	0 - 350 bar
-7.5M	0 - 7,500 psi	-5CB	0 - 500 bar
-10M	0 - 10,000 psi	-7CB	0 - 700 bar

Common Options

-8PIN	8 pin connector in place of standard 6 pin
-TCJ	Thermocouple Type "J"
-TCK	Thermocouple Type "K"
-PT100	100 Ohm Platinum RTD
-M18	M18 X 1.5 metric thread in place of 1/2-20 UNF

For configurations not listed please contact your local **ONEhalf20** distributor.

Your single source for melt pressure transducers, melt pressure transmitters, melt pressure gauges, pressure instrumentation, and rupture disks!

www.onehalf20.com