

Product Introduction:

ONEhalf20 Oil Filled Melt Pressure Transducers 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 transducers utilize a Wheatstone Bridge - bonded strain gauge design insuring high accuracy, reliability and repeatability.

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

Features:

- wide variety of pressure ranges
- all welded all stainless steel sealed construction
- 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: 3.33 mV/Volt
Excitation Voltage: 10 Vdc - recommended
Calibration: internal 80% FSO
Insulation: 1,000 Megohms at 50 Vdc



Ordering Guide:**Model Number**CTO
RTO**Transducer Style**rigid stem with 18" flex capillary
stem only (no flex capillary)**Accuracy**

"no designation"

1.0% Accuracy - standard

Rigid Stem Length3
6
123"
6" - standard
12"**Output**Q
R
S2.0 mV/Volt
2.5 mV/Volt
3.33 mV/Volt - standard**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

-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!