

Product Introduction:

The **ONEhalf20** model CTEC Melt Pressure Transducer incorporates a proprietary filled capillary design. This tried and proven design provides an electronic signal which is proportional to the measured pressure, and allows the transducer to operate at process temperatures up to 750°F. The electronics of each transducer is a Wheatstone Bridge - bonded strain gauge design insuring high accuracy, reliability and repeatability.

The **ONEhalf20** model CTEC Melt Pressure Transducer has been designed for space restricted areas. This transducer features an exposed capillary which allows for a 1/8" bend radius for mounting in tight spaces.

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
- two accuracy grades available
0.5% standard accuracy, or 0.25% optional



General Specifications:

Mechanical

Pressure Ranges: 0-3,000 psi to 0-30,000 psi
metric ranges available
Mounting: 1/2-20 UNF thread with
jam nut
Mounting Torque: 500 inch pounds maximum
Diaphragm: 15-5PH stainless steel
Overload Capacity: 2 times FSO
Temperatures: diaphragm 750°F
electronics 225°F
Accuracy: 0.5% FSO
Repeatability: better than 0.15% FSO

Electrical

Type: bonded strain gauge,
4 leg Wheatstone Bridge
Bridge Resistance: 350 Ohm +/- 5%
Connector: 6 pin Bendix style bayonet
Output: 3.33 mV/Volt
Excitation Voltage: 10 Vdc
Calibration: internal 80% FSO
Insulation: 1,000 Megohms at 50 Vdc



Ordering Guide:**Model Number**

CTEC

Transducer Style1/2-20 UNF thread with jam nut
10" expose capillary with 18" flex armour**Accuracy**"no designation"
DLX0.5% Accuracy - standard
0.25% Accuracy**Output**Q
R
S2.0 mV/Volt
2.5 mV/Volt
3.33 mV/Volt - standard**Standard Pressure Ranges**

-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
-15M	0 - 15,000 psi	-1MB	0 - 1,000 bar
-20M	0 - 20,000 psi	-1.4MB	0 - 1,400 bar
-30M	0 - 30,000 psi	-2MB	0 - 2,000 bar

Common Options-8PIN
-FAxx8 pin connector in place of standard 6 pin
Non-Standard flex armor length
(xx- specify in inches)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!