

Product Introduction:

The **ONEhalf20** model CTNM Nozzle Melt Pressure Transmitter 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 transmitter to operate at process temperatures up to 750°F. The electronics of each transmitter is a Wheatstone Bridge - bonded strain gauge design insuring high accuracy, reliability and repeatability.

The **ONEhalf20** model CTNM Nozzle Melt Pressure Transmitter has been designed for space restricted areas, or for nozzle melt pressure measurement on injection molding machines. This transmitter features a 1/2-20 UNF thread with jam nut and 28" of flex capillary.

Features:

- wide variety of pressure ranges
- significant price benefit over competitors 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: 0-500 psi to 0-20,000 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: 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**

CTNM

Transmitter Style1/2-20 UNF thread with jam nut
and 28" flex capillary**Accuracy**"no designation"
DLX0.5% Accuracy - standard
0.25% Accuracy**Jam Nut Length**1
31.5" jam nut
3" jam nut**Output**MA
V4-20 mA
0 - 10 Vdc**Standard Pressure Ranges**

-5C	0 - 500 psi	-35B	0 - 35 bar
-1M	0 - 1,000 psi	-7B	0 - 70 bar
-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
-15M	0 - 15,000 psi	-1MB	0 - 1,000 bar
-20M	0 - 20,000 psi	-1.4MB	0 - 1,400 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!