

Product Introduction:

ONEhalf20 Melt Pressure Transducers with visual indication are designed for processors who would benefit from localized pressure indication at the extruder barrel. These transducers also offer the advantage of providing the industry standard 3.33 mv/Volt output. The electronics of each transducer are a Wheatstone Bridge - bonded strain gauge design insuring high accuracy, reliability and repeatability.

The CTG style follows the classic melt pressure transducer design. It comprises a 6" rigid stem, along with 30" of flexible capillary, for optimal thermal isolation. The RTG style has only a 6" rigid stem.

Features:

- localized analogue visual pressure indication
- fully compatible with all competitor melt pressure transducers utilizing the Bendix 6 pin bayonet style connector
- standard 3.33 mv/Volt output, fully conforms to the industry standard wiring pattern and colour coding
- dual scale bar and psi
- all stainless steel construction with large 4" dial face with safety glass for ease of viewing

General Specifications:

Mechanical & Electrical

Pressure Ranges:	0-5,000 psi or 0-10,000 psi dual scale
Mounting:	1/2-20 UNF thread
Mounting Torque:	500 inch pounds maximum
Diaphragm:	15-5PH stainless steel
Overload Capacity:	2 times FSO
Temperatures:	diaphragm 750°F electronics 225°F
Accuracy:	electronics 1% FSO indication 2% FSO
Excitation Voltage:	10 Vdc
Calibration:	internal 80% FSO
Zero Adjust:	10% of full scale
Needle Sweep:	270°
Dial:	4" with safety glass

CTG Style



RTG Style



Options

Temperature Output:	Type J thermocouple Type K thermocouple
Mounting:	M18 X 1.5
Rigid Stem Length:	12" available
Configuration:	Stem-up design RTG series only



Ordering Guide:

<u>Model Number</u>	<u>Transducer Style</u>
CTG	rigid stem with 30" flex armor
RTG	stem only (no flex armor)

<u>Rigid Stem Length</u>	
6	6" - standard
12	12"

<u>Output</u>	
Q	2.0 mV/Volt
R	2.5 mV/Volt
S	3.33 mV/Volt - standard

<u>Standard Pressure Ranges</u>	
-5M	0 - 5,000 psi and 0 - 350 bar (dual scale)
-10M	0 - 10,000 psi and 0 - 700 bar (dual scale)

<u>Common Options</u>	
-TCJ	Thermocouple Type "J"
-TCK	Thermocouple Type "K"
-SU	Stem-up configuration (RTG series only)
-M18	M18 X 1.5 metric thread in place of 1/2-20 UNF
-FAxx	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!**