

Melt Pressure Transducers

3 Styles of Melt Pressure Transducers for Extrusion Processing

Melt pressure transducers are specifically designed for accuracy, stability, and repeatability. They can be specified with a 0.5% or 0.25% combined error accuracy, a performance that equals or exceeds any other strain gauge melt pressure transducer on the market.

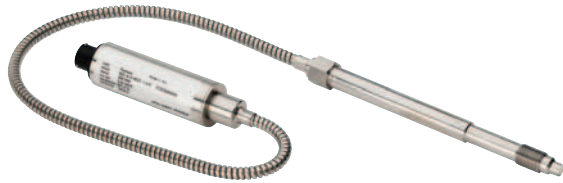
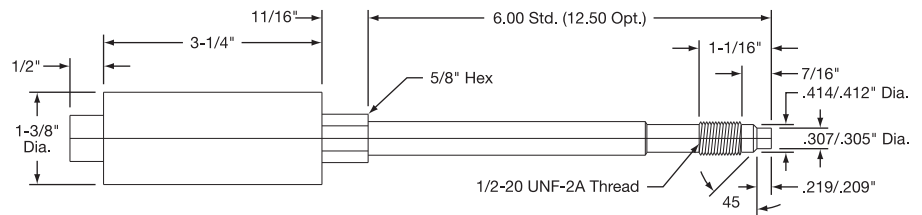
Design Features

- * *Stainless Steel Construction*
- * *Fully Interchangeable with all Existing Strain Gauge Melt Pressure Transducers*
- * *Fluid Filled System for Temperature Stability*
- * *80% Output Signal for Easy Calibration*
- * *Resistance Calibration Tracking*
- * *All Stainless Steel Construction*
- * *Armoloy-Coated Diaphragm*
- * *Compatible with all Strain Gauge Signal Conditioning & Readout Instrumentation*
- * *6- or 8-Pin Bendix Style Connectors available*
- * *CE Approved*



Rigid Stem Transducer

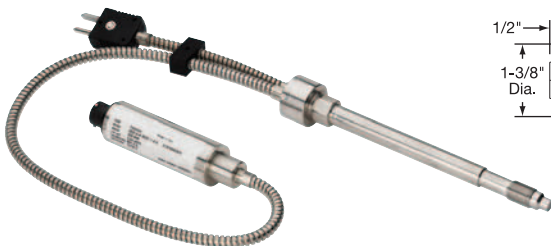
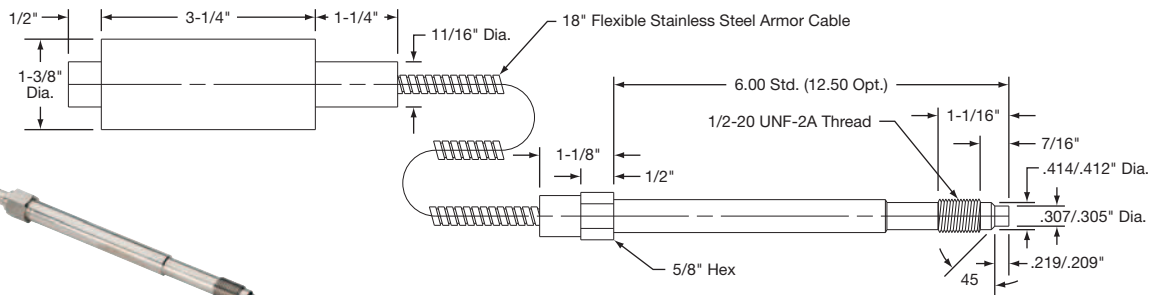
This model converts applied pressure at the point of measurement to a proportional voltage output signal using well established bonded strain gauge design principles. The small capillary tube, filled with a special medium, isolates sensitive strain gauges and electronics from potential thermal damage. The rigid stem makes installation fast and easy.



Flexible Armor Tubing Transducer

This model offers all the advantages of the rigid stem transducer, but incorporates an 18-inch flexible capillary tubing with a stainless steel armored jacket between the strain gauge housing and the stem.

This transducer is designed for applications requiring further thermal isolation or where installation would be otherwise difficult or impractical.



Pressure and Temperature Transducer

This model provides simultaneous measurement of pressure and temperature at a single point. Only one transducer mount is required for installation.

The temperature probe is protected from process hazards and can be replaced without interrupting the pressure signal. Pressure performance is identical to other models.

