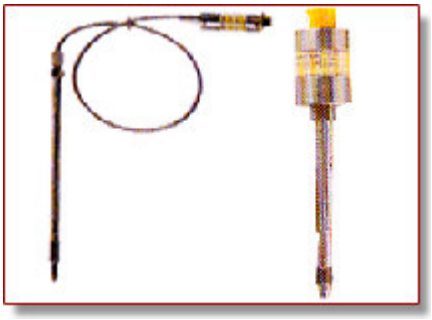
High Temperature Melt Pressure Transducers [Model – HMPT-S]

Specifications:

Capacity (Bar):	100, 150, 200, 250, 300, 350, 400, 500, 600, 700, 1000, 1500
Interface Size: (Available):	1/2" 20UNF - 2B
Maximum Diaphragm Temperature:	400°C [750°F]
Maximum Electronic Housing Temperature:	70°C [160°F]
Choice of Pressure Range:	1500 bar [Max.]
Internal Shunt Calibration:	80%



Technical Parameter:

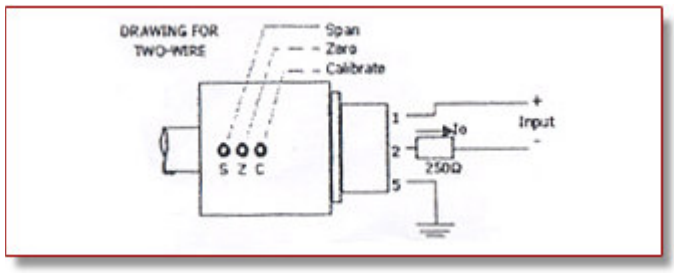
1.Output: Two Wire: 4~20 mA (connected with load 250Ω)
Three wire: 0~5V, 0~10V, 0~10mA, 4~20mA

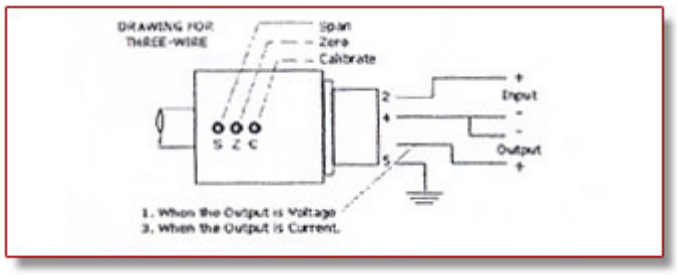
2. Supply: 12~36V DC (Recommended: 15~34 V DC)
≤ 1KΩ (when the output is current)
≤ 250Ω (when the output is voltage)

3. Accuracy: ± 1.5% FS

4. Calibration: Full scale output value x (80 ± 2)%

Connection Diagram:





Calibration:

- All standard HMPT pressure transducers are equipped with an internal shunt calibration feature which, when activated, will produce an electrically stimulated output of 80% full scale.
- Allow the transducer to reach operating temperature. With no pressure applied, adjust the zero balance potentiometer located under the steel screw on the amplifier housing.
- Next, engage the Calibration Push Button [C]. Adjust the SPAN potentiometer located under the seal screw on the amplifier housing until the output is equal to 80% of the full scale output.
- Recheck the zero output.

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