

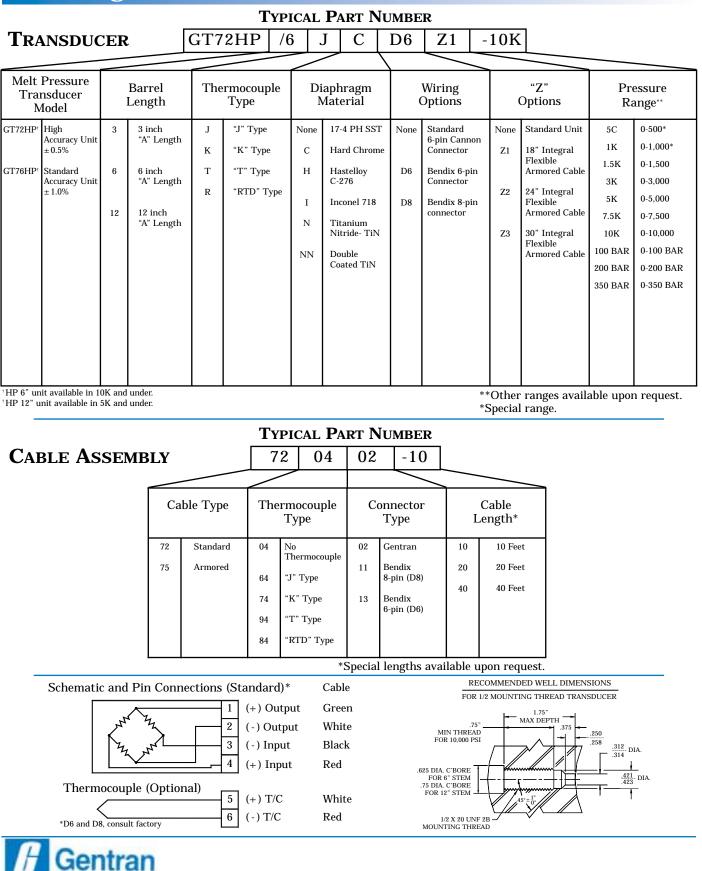
High Performance Melt Pressure Transducers

The HP-Series



Precise Pressure Measurement	The Gentran HP-Series melt pressure transducers are designed to meet the highest cri- teria for performance in the plastics and rubber industries. The non-linearity specifica- tion of the GT72HP is $\pm 0.5\%$ and $\pm 1.0\%$ of full scale BFSL on the GT76HP.
Rugged and Durable	The HP-Series is designed to operate from 0 to 750° F. The diaphragm is rugged and is available in various metals for special applications. The standard diaphragm material is 17-4 PH stainless steel. Many customers find that our units will last up to 6 times longer than other units.
Easily Installed	This series is installed directly into the extruder, melt pump or other pressure tap. There are no remote boxes to mount. The electrical cable is designed for easy connec- tion and even comes with the spade lugs attached. Various cable lengths are available for your convenience.
Industry Compatible	All Gentran products are configured to industry standards for effortless replacement of parts. We offer compatible units complete with flexible armor stems so that you can replace a transducer without disturbing your existing wiring or indicator configuration.
Versatility	Gentran offers various body lengths, thread dimensions and options for thermocouples. Integral, flexible armored cable is also available. For special applications, we can custom design unique configurations to fit your needs.

Ordering Information



Specifications: GT72HP & GT76HP

Performance Characteristics

Standard Pressure Ranges: 0-1,500 psig, 0-3,000 psig, 0-5,000 psig, 0-7,500 psig, 0-10,000 psig, 0-100 BAR, 0-200 BAR, 0-350 BAR,

Special Ranges: 0-500 psig, 0-1,000 psig Other ranges available upon request.

Accuracy: GT72HP: ±0.5% of full scale maximum (BFSL) GT76HP: ±1.0% of full scale maximum (BFSL)

Repeatability: Within ±0.1% of full scale maximum.

Resolution: Infinite

Overload Pressure:

150% of rated range, no damage.

Electrical Characteristics

Sensor Type: Bonded Strain-gage, 4 Leg Wheatstone Bridge.

Bridge Resistance: 350 ohms, $\pm 5.0\%$

Sensitivity: 3.0 mV/V nominal (open circuit)

Zero Balance: $\pm 10.0\%$

Excitation: 5-12 VDC or AC (RMS), maximum 15 Volts.

External Shunt Calibration Resistor Standard Feature. Options Available.

Insulation Resistance:

>1,000 Mohms @ 50 VDC

Thermocouple:

Types J, K, \overline{T} and RTD available as an internal option.

Temperature Characteristics

Diaphragm: 0 to 750°F (-18 to 400°C)

Electrical Connector: 0 to 250°F (-18 to 121°C)

Zero Drift: ± 0.01% of full scale/°F ± 0.02% of full scale/°C

Sensitivity Drift: Drift: $\pm 0.01\%$ of full scale/°F $\pm 0.02\%$ of full scale/°C

Mechanical Characteristics

Diaphragm Material

Standard 17-4 PH Stainless steel. Options include Hastelloy, Hard Chrome Plate, Inconel 718 & Titanium Nitride.

Pressure Fitting:

1/2 inch-20 UNF-2A. Metric m 18 x 1.5 optional. Custom Options Available.

