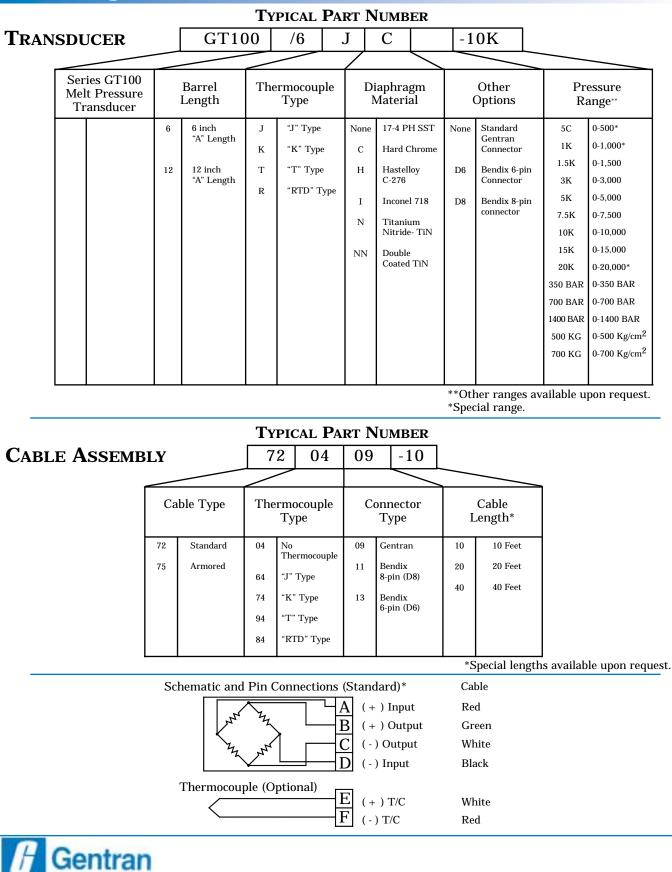




Precise Pressure Measurement	The Gentran Model GT100 is designed to meet the highest criteria for performance in the plastics and rubber industries. This series has a non-linearity specification of $\pm 0.5\%$ and of full scale BFSL. Repeatability is better than 0.1% of full scale. This unit is filled with a special compound to minimize short-term thermal drift.
Rugged and Durable	The GT100 series is designed to operate from 0 to 750°F. The diaphragm is rugged and is available in various materials for special applications. The standard diaphragm material is 17-4 pH stainless steel. Many customers find that our units will last 2-6 times longer than other units.
Easy Installation	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 connection 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. For special applications, we can custom design unique configurations to fit your needs.

## **Ordering Information**



#### **Performance Characteristics**

**Standard Pressure Ranges:** 0-1,500 psig, 0-3,000 psig, 0-5,000 psig, 0-10,000 psig, 0-15,000 psig, 0-350 BAR, 0-700 BAR, 0-1,400 BAR, O-500 Kg/cm<sup>2</sup>, 0-700 Kg/cm<sup>2</sup>

**Special Ranges:** 0-500 psig, 0-1,000 psig, 0-20,000 psig Other ranges available upon request.

Non-linearity: ±0.5% of full scale maximum (BFSL)

**Repeatability:** Within  $\pm 0.1\%$  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: ± 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, 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)

# **Specifications: GT100**

Zero Drift: ± 0.005% of full scale/°F ± 0.01% of full scale/°C

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

#### **Mechanical Characteristics**

**Diaphragm Material** Standard 17-4 PH Stainless steel. Options include Hard Chrome Plate, Hastelloy C-276, Inconel 718 & Titanium Nitride.

**Pressure Fitting:** 1/2 inch-20 UNF-2A Metric m 18 x 1.5 optional

Mounting Torque: 10 foot-pounds minimum 20 foot-pounds maximum

**Electrical Connector:** Bendix PTO2A-10-6P

**Weight:** 6 inch - 0.68 lbs. 12 inch - 1.23 lbs.

### Dimensions

