



# **Model CTEC**

## **Melt Pressure Transducer**

### **for Space Restricted Areas**

#### **Product Introduction**

The **GT Heaters** model CTEC Melt Pressure Transducer incorporates a proprietary filled capillary design. This tried and proven design provides an electronic signal which is proportional to the measured pressure, and allows the transducer to operate at a process temperature up to 750°F. The electronics of each transducer is a Wheatstone Bridge - bonded strain gauge design insuring high accuracy, reliability and repeatability.

The **GT Heaters** model CTEC Melt Pressure Transducer has been designed for space restricted areas. This transducer features an exposed capillary which allows for a 1/8" bend radius for mounting in tight spaces.

#### **Features**

- wide variety of pressure ranges
- significant price benefit over competitor's models
- 100% form, fit and function competitor's models utilizing the Bendix 6 pin bayonet style connector
- fully compatible with the industry standard wiring pattern and colour coding
- two accuracy grades available  
0.5% standard accuracy, or 0.25% optional



#### **General Specifications**

##### **Mechanical**

Pressure Ranges:	0-3,000 psi to 0-30,000 psi metric ranges available
Mounting:	1/2-20 UNF thread with jam nut
Mounting Torque:	500 inch pounds maximum
Diaphragm:	15-5PH stainless steel
Overload Capacity:	2 times FSO
Temperatures:	diaphragm 750°F electronics 225°F
Accuracy:	0.5% FSO
Repeatability:	better than 0.15% FSO

##### **Electrical**

Type:	bonded strain gauge, 4 leg Wheatstone Bridge
Bridge Resistance:	350 Ohm +/- 5%
Connector:	6 pin Bendix style bayonet
Output:	3.33 mV/Volt
Excitation Voltage:	10 Vdc
Calibration:	internal 80% FSO
Insulation:	1,000 Megohms at 50 Vdc