



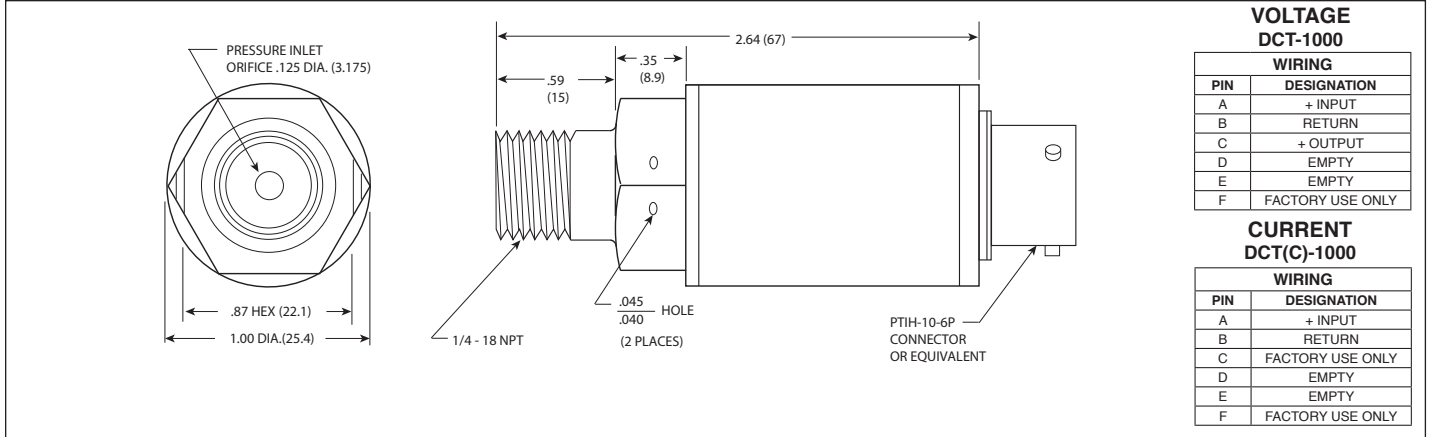
## INDUSTRIAL OEM AMPLIFIED PRESSURE TRANSDUCERS

### DCT-1000 SERIES      DCT(C)-1000 SERIES

- .5 to 5V Voltage Output
- 4 mA - 20 mA Current Output
- Digitally Corrected
- Factory Programmable Full Scale Output
- Rugged All Welded Construction
- High Overload Capability
- For High Reliability Commercial Applications
- Intrinsically Safe Applications Available (i.e. IS-DCT-1000 or IS-DCT(C)-1000)



By coupling Kulite's unique solid state sensor with a miniature, state-of-the-art IC, Kulite is able to offer the most advanced industrial pressure transducer available on the market today. Designed to measure liquid or gas pressure, the transducer is of all-welded stainless steel construction, with integral pressure port and diaphragm. The DCT(C)-1000 provides an extremely rugged, accurate and inexpensive means for pressure-to-voltage conversion. The ability to withstand high voltages between leads and cases make the DCT(C)-1000 Series transducers ideally suited for a large number of applications.



INPUT	Pressure Range	1.7 25	3.5 50	7 100	17 250	35 500	70 1000	170 2500	350 BAR 5000 PSI	
	Operational Mode	Absolute				Sealed Gage				
	Over Pressure	2 Times Rated Pressure to 1000 PSI (70 BAR)					1.5 Times Rated Pressure Above 1000 PSI			
	Burst Pressure	3 Times Rated Pressure								
	Pressure Media	Any Liquid or Gas Compatible With 15-5 PH or 316 SS								
	Maximum Electrical Current	25 mA								
	Rated Electrical Excitation	9 V - 32 V								
OUTPUT	Output	.5 to 5V or .5 to 10V Voltage Output				4 mA - 20 mA Current Output				
	Output Impedance	50 Ohms (Typ.)								
	Total Error Band	±0.25% FSO Total Error (Typ.), ± 0.5% FSO Total Error (Max.) (End Point Settings, Combined Non-Linearity, Hysteresis, Repeatability and All Thermal Effects Included)								
	Bandwidth (-3dB)	DC to 2500 Hz								
	Resolution	Infinitesimal								
	Insulation Resistance	100 Megohm Min. @ 50 VDC								
ENVIRONMENTAL	Operating Temperature Range	-65°F to +280°F (-55°C to +140°C)								
	Compensated Temperature Range	-40°F to +250°F (-40°C to +120°C)								
	Linear Vibration	50g Peak, Sine 10 to 2000 Hz								
	Humidity	100% Relative Humidity								
	Mechanical Shock	100g half Sine Wave 11 msec. Duration								
PHYSICAL	Pressure Port	A. 33656/E4 7/16-20 UNJF-3A			B. 1/4"-18 NPT Male		C. Other Ports Available			
	Electrical Connection	6 Pin PTIH-10-6P SS or Equivalent								
	Weight	100 Grams Approx.								
	Pressure Sensing Principle	Fully Active Four Arm Wheatstone Bridge Dielectrically Isolated Silicon on Silicon								
	Mounting Torque	80-100 Inch-Pounds (Max.)								

Note: Shunt calibration available.  
Note: TEDs application optional.

