## INDUSTRIAL OEM AMPLIFIED IS® PRESSURE TRANSDUCERS

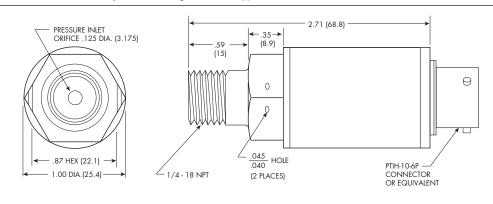
## DCT-1000 SERIES

- .5 to 5V Voltage Output
- 4 mA 20 mA Current Output
- Microprocessor Corrected
- Factory Programmable Full Scale Output
- Rugged All Welded Construction
- High Overload Capability
- For High Reliability Commercial Applications

By coupling Kulite's unique solid state sensor with a miniature, state-of-the-art IC consisting of a precision voltage regulator, a signal conditioning circuit and a microprocessor, 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 DCTC-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 DCTC-1000 Series transducers ideally suited for a large number of applications.

DCT(C)-1000 SERIES





DCT-1000							
WIRING							
PIN	DESIGNATION						
Α	+ INPUT						
В	RETURN						
С	+ OUTPUT						
D	EMPTY						
E	EMPTY						
F	FACTORY USE ONLY						

VOLTAGE

## CURRENT DCT(C)-1000 WIRING IN DESIGNATION A + INPUT B RETURN C EMPTY D EMPTY E EMPTY

FACTORY USE ONLY

CONSULT	FACTORY	FOR	SPECS	ON	SEALED	GAGE
COLICE	17 (010101		OI LCO.	0.1	OL/ (LLD	0,101

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 to a Max. of 30000 PSI (2100 BAR)								
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	.5 to 5V or .5 to 10V Voltage Output			4 mA - 20 mA Current Output				
Output Impedance	50 Ohms (Typ.)								
Total Error Band	$\pm 0.25\%$ FSO Total Error (Typ.), $\pm 0.5\%$ 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. Duation								
PHYSICAL Pressure Port		A. 33656/E	4 7/16-20 UNJF-3	A B. 1/4	"-18 NPT Male	C. Other Po	rts 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.