

## E PRESSURE TRANSDUCER

## **IPT-4N-750HT**

- Internally Compensated
- Excellent Long Term Stability .1% Typical
- All Wetted Materials Inconel
- **Built In Temperature Sensor**
- Silicon on Silicon Integrated Sensor VIS®
- High Unamplified Output
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   Intrinsically Safe Applications Available
   TEOLITY



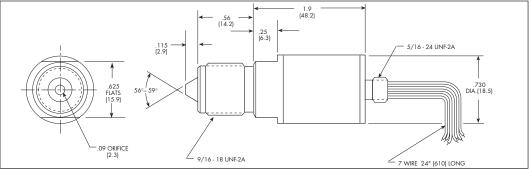
The IPT-4N-750HT Downhole Transducer utilizes Kulite's State of the Art, Silicon on Silicon Isolated Diaphragm sensing technology, to provide excellent long term stability and high accuracy at temperatures to 350°F. All wetted materials are Inconel

This transducer is equipped with internal circuitry to compensate for the inherent thermal sensitivity of the silicon sensor. With no further compensation, it will offer an overall accuracy improvement across the entire range of typical well environments.



## WIRING DIAGRAM

WIRE COLOR	FUNCTION		
RED	+ IN		
YELLOW	+ OUT		
BLUE	- OUT		
GREEN	– IN		
ORANGE	CASE GROUND		
BLACK	RTD		
WHITE	RTD		



	_
INPUT Pressure Range	_
Operational Mode	_
Over Pressure	_
Burst Pressure	_
Pressure Media	_
Rated Electrical Excitation	_
Maximum Electrical Excitation	_
RTD Excitation	_
Input Impedance	_
OUTPUT Output Impedance	
Full Scale Output (FSO)	_
Temperature Sensor	
Residual Unbalance	
Combined Non-Linearity, Hysteresis and Repeatability	
Resolution	
Natural Frequency (KHz) (Typ.)	
Insulation Resistance	
ENVIRONMENTAL Operating Temperature Range	
Compensated Temperature Range	
Thermal Zero Shift	
Thermal Sensitivity Shift	_
Linear Vibration	
Acceleration	_
Acceleration Sensitivity	
Humidity	_
Mechanical Shock	
PHYSICAL Pressure Port	
Electrical Connection	
Weight	

Sensing Principle

	— 9/16-1	8 UNF-2A		— 7 WIRE 24™ (610) LONG		
70	170	350	700	1050 BAR		
1000	2500	5000 Absolute	10000	15000 PSI		
2 Ti	mes Rated Pressi		PSI Whichever is	Less		
2 Times Rated Pressure Range or 22500 PSI Whichever is Less 3 Times Rated Pressure Range or 22500 PSI Whichever is Less						
		or Gas Compatible				
		10 VDC/AC (RMS	)			
		15 VDC/AC (RMS				
		1mA (2 mA Max.)				
		2500 Ohm (Min.)				
		2500 Ohms (Nom.				
		100 mV (Nom.)	)			
1000 Ohr	n Platinum RTD P	Per DIN EN 60751 (I	EC 751) (BS 437	60) Class A		
		+ 3 mV - 0mV				
	± 0.1% FSO	BFSL (Typ.), ± 0.5	% FSO (Max.)			
		Infinitesimal				
720	910	1120	1350	1500		
	100	Megohm Min. @ 50	VDC			
	-40°F t	o +350°F (-40°C to	+175°C)			
0°F to +350°F (-18°C to +175°C)						
± .5% FS/100°F (38°C) (Typ.)						
± 1% /100°F (38°C) (Typ.)						
50g Peak, Sine 10 to 5000 Hz						
		100 g				
Not Greater Than .00003% FS/g						
	1(	00% Relative Humi	dity			
		100g, 6 msec.				
9/	16-18 UNF-24 Mat	tes With Autoclave	-250 or Sno-Tric	44F		
7 Wire 24" (610)	Long (Internal RT		. ,	rnal Bridge Temp.)		
110 Grams (Max.) Excluding Cable						
		tone Bridge Dielecti				
echanical configurations available Dimen	sions are in inches T	Dimensions in parenthe	sis are in millimeters			