



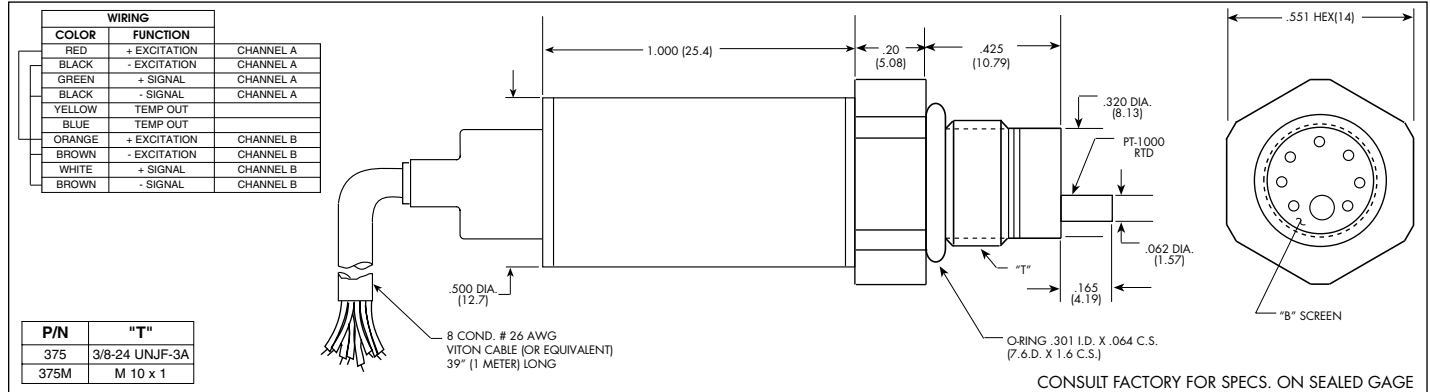
MINIATURE 5V DUAL CHANNEL OUTPUT IS® PRESSURE TRANSDUCER WITH INTEGRATED TEMPERATURE SENSOR

ETLR/T-634-375 (M) SERIES

- Two Independent Sensing Element For Redundancy
- Dual Output Signal
- Combined Pressure and Temperature Capability
- Robust Construction
- Excellent Long Term Stability
- Intrinsically Safe Patented Leadless Technology Applications Available (i.e. IS-ETLR/T-634-375)



The ETLR/T-634-375 (M) is a miniature threaded redundant pressure transducer/platinum RTD combination. The two pressure transducers utilize a patented leadless technology. The platinum RTD protrudes beside the diaphragm to sense media temperature. The pressure and temperature devices are designed to operate independently. All wetted parts of the transducer are compatible with most aircraft and automotive fluids.



INPUT		1.7	3.5	7	17	35	70	170	250 BAR
Pressure Range		25	50	100	250	500	1000	2500	3600 PSI
Operational Mode		Absolute, Sealed Gage							
Over Pressure		2 Times Rated Pressure							
Burst Pressure		3 Times Rated Pressure							
Pressure Media		All Nonconductive, Noncorrosive Liquids or Gases (Most Conductive Liquids and Gases - Please Consult Factory)							
Rated Electrical Excitation		12 ± 4 VDC or 28 ± 4 VDC							
Maximum Electrical Current		25 mA							
OUTPUT									
Output Impedance		200 Ohms (Nom.)							
Full Scale Reading		5 VDC ± 75mV (3 Wire System, Single Ended Dual Output)							
RTD		1000 Ohms Platinum, DIN EN 60751 Tables, Class A (65% Response Time 3 Seconds Max.)							
Bandwidth (-3dB)		DC to 3000 Hz							
Residual Unbalance		0.5V ± 75mV							
Combined Non-Linearity, Hysteresis and Repeatability		± 0.1% BFSL (Typ.), ± 0.5% BFSL (Max.)							
Resolution		Infinitesimal							
Acceleration Sensitivity % FS/g									
Perpendicular		5.0x10 ⁻⁴	3.0x10 ⁻⁴	1.5x10 ⁻⁴	1.0x10 ⁻⁴	6.0x10 ⁻⁵	4.0x10 ⁻⁵	2.5x10 ⁻⁵	1.7x10 ⁻⁵
Transverse		6.0x10 ⁻⁵	4.0x10 ⁻⁵	2.0x10 ⁻⁵	1.0x10 ⁻⁵	6.0x10 ⁻⁶	4.0x10 ⁻⁶	2.2x10 ⁻⁶	1.8x10 ⁻⁶
Insulation Resistance		100 Megohm Min. @ 50 VDC							
ENVIRONMENTAL									
Operating Temperature Range		-65°F to +375°F (-55°C to +190°C)							
Compensated Temperature Range		-65°F to +350°F (-55°C to +175°C)							
Total Error Band (Excluding End Point)		± 2% FS/212°F (100°C) ≤ 217.5 PSI (15 BAR), ± 1% FS/212°F (100°C) ≥ 217.5 PSI (15 BAR)							
Steady Acceleration and Linear Vibration		100g Peak, Sine Up to 5000 Hz							
Humidity		100% Relative Humidity							
Mechanical Shock		100g 11 msec 10,000g, 100µ sec.							
PHYSICAL									
Electrical Connection		8 Conductor 26 AWG Viton Cable (or Equivalent) 1 Meter Long							
Weight		20 Grams Excluding Cable							
Pressure Sensing Principle		Two Fully Active Four Arm Wheatstone Bridge Dielectrically Isolated Silicon on Silicon Patented Leadless Technology							
Mounting Torque		75 Inch-Pounds (Max.) 6Nm							

Note: Custom pressure ranges, accuracies, mechanical configurations and RTD resistance available. Dimensions are in inches. Dimensions in parenthesis are in millimeters. Continuous development and refinement of our products may result in specification changes without notice - all dimensions nominal. (C)