



MINIATURE 4-20mA OUTPUT IS® PRESSURE TRANSDUCER

ETL-200-375 (M) SERIES

- 4-20mA Output
- 2 Wire Operation
- Hybrid Microelectronic Signal Conditioner
- Patented Leadless Technology VIS®
- All Welded Construction
- Secondary Containment On Absolute And Sealed Gage Units
- Aerospace Quality Components
- 3/8-24 UNJF or M10 X 1 Thread
- Intrinsically Safe Applications Available (i.e. IS-ETL-200-375)



ETL-200-375 and ETL-200-375M transducers employ the same approach to transducer construction as the standard ETL-375 and ETL-375M series. The ETL Series uses Kulite's Patented Leadless Technology. The Kulite proprietary electronics module in this product

line, however, provides a current output signal (4 to 20 mA). These instruments are an excellent choice for applications requiring the current output signal but in which space and/or weight are at a premium.

OPTIONAL CONNECTOR VERSION HERMETICALLY SEALED

PT1H-8-4P CONNECTOR

PIN	DESIGNATION
A	+ INPUT
B	- INPUT

2 COND. # 24 AWG SHIELDED CABLE 36" (914) (NOM.)

CABLE STRAIN RELIEF

CONSULT FACTORY FOR SPECS. ON SEALED GAGE

P/N	"T"
375	3/8-24 UNJF-3A
375M	M 10 x 1

WIRING	
COLOR	DESIGNATION
RED	+ INPUT
BLACK	- INPUT

INPUT	1.7	3.5	7	17	35	70	170	350
Pressure Range	25	50	100	250	500	1000	2500	5000
Operational Mode	Absolute, Gage, 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 6000 PSI (420 BAR)							
Burst Pressure	3 Times Rated Pressure to a Max. of 10000 PSI (700 BAR)							
Pressure Media	All Nonconductive, Noncorrosive Liquids or Gases (Most Conductive Liquids and Gases - Please Consult Factory)							
Minimum Voltage Required	9 V Minimum Voltage Required Across The Input and Output Wires							
Rated Electrical Excitation	12 - 32 VDC							
OUTPUT	4 - 20 mA							
Output	4 - 20 mA							
Bandwidth (-3dB)	DC to 750 Hz							
Combined Non-Linearity, Hysteresis and Repeatability	± 0.1% FSO BFSL (Typ.), ± 0.5% FSO (Max.)							
Resolution	Infinitesimal							
Natural Frequency (KHz) (Typ.)	Greater Than 400 KHz							
Acceleration Sensitivity % FS/g Perpendicular	1.9x10 ⁻³	1.0x10 ⁻³	5.2x10 ⁻⁴	2.2x10 ⁻⁴	1.1x10 ⁻⁴	6.2x10 ⁻⁵	2.6x10 ⁻⁵	1.5x10 ⁻⁵
Transverse	5.0x10 ⁻⁵	3.1x10 ⁻⁵	2.0x10 ⁻⁵	1.0x10 ⁻⁵	7.0x10 ⁻⁶	4.3x10 ⁻⁶	2.3x10 ⁻⁶	1.5x10 ⁻⁶
Insulation Resistance	100 Megohm Min. @ 50 VDC							
ENVIRONMENTAL	-65°F to +250°F (-55°C to +120°C)							
Operating Temperature Range	-65°F to +250°F (-55°C to +120°C)							
Compensated Temperature Range	0°F to +212°F (-18°C to +100°C) Other Ranges Quoted on Request							
Thermal Zero Shift	± 1% FS/100° F (Typ.)							
Thermal Sensivity Shift	± 1% /100° F (Typ.)							
Linear Vibration	100g Peak, Sine up to 5000 Hz							
Altitude	-150 ft. to +70,000 ft. Will Not Damage Sensor							
Humidity	100% Relative Humidity							
Mechanical Shock	100g half Sine Wave 11 msec. Duration							
PHYSICAL	2 Conductor 24 AWG Shielded Cable 36" Long							
Electrical Connection	2 Conductor 24 AWG Shielded Cable 36" Long							
Weight	24.5 Grams (Max.) Excluding Cable							
Pressure Sensing Principle	Fully Active Four Arm Wheatstone Bridge Dielectrically Isolated Silicon on Silicon Patented Leadless Technology							
Mounting Torque	80 Inch-Pounds (Max.)							

Note: Custom pressure ranges, accuracies and mechanical configurations available. Dimensions are in inches. Dimensions in parenthesis are in millimeters.

Continuous derating of output current in the range of 150 to 2500 PSI is available. SUNSTAR 自动化 <http://www.sensor-ic.com/> TEL: 0755-83376549 FAX: 0755-83376182 E-MAIL: szss20@163.com

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