GENERAL PURPOSE INDUSTRIAL PRESSURE TRANSMITTER

PT-32

SPECIAL FEATURES

- 316 Stainless Steel Housing
- Gauge Pressures, 2 to 10,000 psi
- 1% Accuracy
- ASIC Temperature Compensated
- High Vibration Appculations
- Output Impedance: < 100 ohms
- Wetted Parts: RTV, Pyrex, Silicone, 316SS
- OEM Tested and Approved



2014/34/EU

Reach

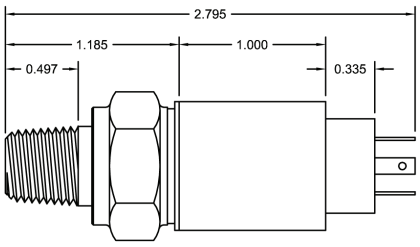
RoHS

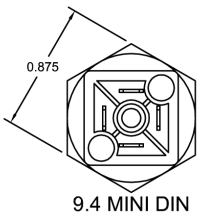
DESCRIPTION

The PT-32 Series Pressure Transducer was developed for all types of industrial applications. The design is based on high temperature, inorganically bonded, media isolated, piezo-resistive technology and ofers reliable and accurate mea-surements under harsh environmental conditions. Robust construction of the PT-32 provides stable operation when subjected to shock and vibration. Suitable for use in machinery, process control, automation, hydraulic pumps, water applications, HVAC, etc.

Features digital compensation and temperature correction for high accuracy and stability.

ELECTRICAL CONNECTIONS

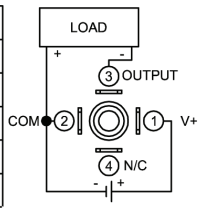




9.4 MINI DIN

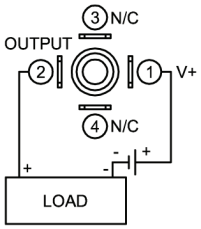
Voltage

DIN 4 PIN (9.4)		
PIN	COLOR	FUNCTION
1	RED	SUPPLY V+
2	BLACK	COM
3	WHITE	OUTPUT +
4	N/A	N/C



Current

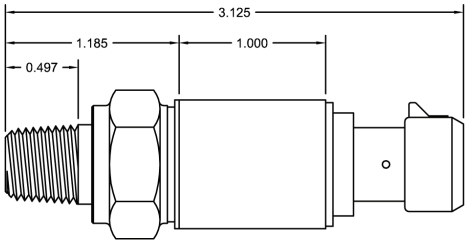
DIN 4 PIN (9.4)		
PIN	COLOR	FUNCTION
1	RED	SUPPLY V+
2	BLACK	COM
3	BLUE	N/C
4	N/A	N/C

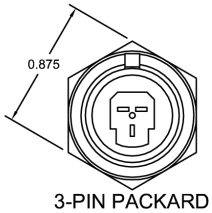


GENERAL PURPOSE INDUSTRIAL PRESSURE TRANSMITTER

PT-32

ELECTRICAL CONNECTIONS

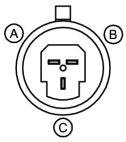




3-PIN PACKARD

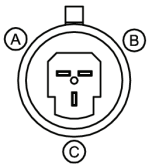
Voltage

3 PIN PACKARD		
PIN	COLOR	FUNCTION
A	BLACK	COM
B	RED	SUPPLY +
C	WHITE	OUTPUT +



Current

3 PIN PACKARD		
PIN	COLOR	FUNCTION
A	BLACK	OUTPUT
B	RED	SUPPLY +
C	N/A	N/C



SPECIFICATIONS

Zero & Span Tolerance: 1.5% for all outputs

PT-32C (Ratiometric) Performace	
(specified @ 25°C)	
Accuracy (Best fit straight line)	*+/- 1% FS*
Functional Supply Voltage	5 VDC
Output	*0.5~4.5 VDC (Ratiometric)*
Supply Current	*<8 mA*
Error	*+/- 3.0% FS TEB*
Zero Offset	*0.5 VDC*
Full Scale Output	*4.5 VDC*
Compensated Temperatures	*-10 to 75°C*
Operating Temperatures	*-20 to 80°C*
Storage Temperature Range	*-40 to 85°C*
Burst Pressure	*3x Full Scale*
Proof Pressure	*2x Full Scale*

PT-32A (4~20 mA) Performace	
(specified @ 25°C)	
Accuracy (Best fit straight line)	*+/- 1% FS*
Functional Supply Voltage	10~30 VDC
Output	*4~20 mA*
Supply Current	*<30 mA*
Error	*+/- 3.0% FS TEB*
Zero Offset	*4 mA*
Full Scale Output	*20 mA*
Compensated Temperatures	*-10 to 75°C*
Operating Temperatures	*-20 to 85°C*
Storage Temperature Range	*-40 to 85°C*
Burst Pressure	*3x Full Scale*
Proof Pressure	*2x Full Scale*

PT-32B (0~5 VDC) Performace	
(specified @ 25°C)	
Accuracy (Best fit straight line)	*+/- 1% FS*
Functional Supply Voltage	10~30 VDC
Output	*0~5 VDC*
Supply Current	*<10 mA*
Error	*+/- 3.0% FS TEB*
Zero Offset	*0 VDC*
Full Scale Output	*5 VDC*
Compensated Temperatures	*-10 to 75°C*
Operating Temperatures	*-20 to 85°C*
Storage Temperature Range	*-40 to 85°C*
Burst Pressure	*3x Full Scale*
Proof Pressure	*2x Full Scale*

For best performance use shielded cables.

Mating connectors and cable assemblies sold separately.

HOW TO ORDER

Series	Output	Pressure Type	Range unit	Pressure Range	Pressure Connection	Electrical Connection	Accuracy
PT-32	A	G	PSI	0050	2NM	M12x1	4
	A= 4 - 20mA B = 0 - 5V C = 0.5 - 4.5V (Ratiometric)* *	G = Gauge	PSI BAR Kg/cm² MPa kPa	0015 0025 0050 0100 0250 0500 1000 3000 5000 **	2NM 1/4"NPT (M) 2BM 1/4" BSP (M) 1TM 1/4" BSPT (M) 1BM 1/8" BSP (M) 1NM 1/8" NPT (M) 1TM 1/8" BSPT (M) 3BM 3/8" BSP (M) 3NM 3/8" NPT (M) 3TM 3/8" BSPT (M) 4BM 1/2" BSP (M) 4NM 1/2" NPT (M) 4MM M20x1.5 (M)	9.4 Mini DIN - 4PIN M12x1 Packard-3PIN Deutsch DT04-3P	4 = 1.0 %**

**= Consult factory for further OEM options

Pressure ranges and outputs listed above are quick ship versions