FLUSH DIAPHRAGM TYPE PRESSURE TRANSMITTER

PT-70

SPECIAL FEATURES

- Voltage Supply Ranges: 5 VDC, 12-36 VDC
- Pressure Ranges up to 8000 psi
- 1.5x Over Pressure Rating
- Voltage and Current Outputs Available
- 316 Stainless Steel Housing
- Compact and Economical Design
- 0.5% Accuracy



2014/34/EU

Reach

RoHS

APPLICATIONS

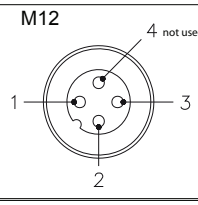
- Fluid and Gas Pressure
- Food and Beverage Industry
- Hydraulics
- Sanitation
- More

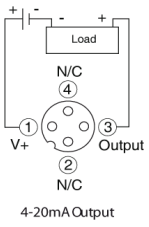
DESCRIPTION

Transducers Direct offers a PT-70 Series flush mount pressure transducer with outstanding reliability, including piezoresistance sensor technology and a stainless steel construction. The product includes a wide variety of electrical connections for multiple application-driven projects, all the while additionally providing long term stability and precision measurement.

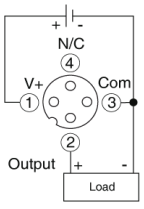
ELECTRICAL CONNECTIONS

Signal	Function	Color	Pin
0-5V ---------- 0.5-4.5V (ratiometric)	Supply V + Output + Com	Brown White Blue	1 2 3
4-20mA	Supply V + Output	Brown Blue	1 3



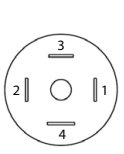


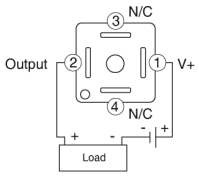
4-20mA Output



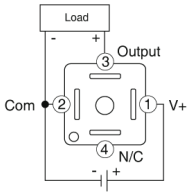
0-5VDC Output

Signal	Function	Color	Pin	Electrical Connector
0-5V ---------- 0.5-4.5V (ratiometric)	Supply V + Com Output N/A	Red Black White N/A	1 2 3 4	DIN 4 pin (9.4)
4-20mA	Supply V Output	Red Black	1 2	





4-20mA Output



0-5VDC Output

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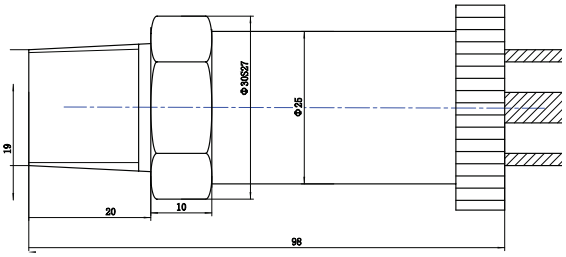
SPECIFICATIONS

Input	
Supply Voltage	12~36 VDC, 5 VDC, ratiometric supply
Pressure Range	0~2 psi to ~8000 psi
Pressure Type	Gauge
Proof Pressure	1.5x FS
Burst Pressure	3x FS
Fatigue Life	1 million cycles
Performance @ 25° C (77° F)	
Accuracy	0.5% full scale, BFSL
Stability	± 0.2% full span over 1 year
Compensated Temperatures	-10 to 75 ° C (14 to 167 ° F)
Operating Temperatures	-20 to 80 ° C (-4 to 176 ° F)
Mechanical Configuration	
Pressure Port	1/2 NPT, G 1/2
Electrical Connection	9.4 mini DIN, M12
Housing	316 Stainless Steel
Sealing Material	FKM (fluoroelastomer)

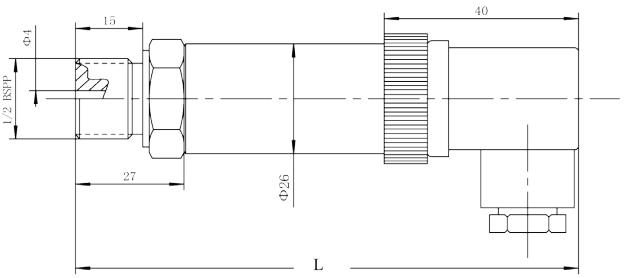
For best performance use shielded cables.

Mating connectors and cable assemblies sold separately.

DIMENSIONS



1/2 NPT



G 1/2

Dimensions are in mm and for reference only

HOW TO ORDER

Series	Output	Range unit	PressureType	Pressure Range	Pressure Port	Electrical Connection	Accuracy
PT-70	A	PSI	G	8000	2NM	M12x1	3
PT-70 = 316 stainless steel	A = 4-20mA B= 0-5 V C= 0.5-4.5V (ratiometric) **	PSI BAR Kg/cm² MPa kPa	G = Gauge **	0005 = 0-5 psi 0010 - 0-10 psi 0025 = 0-25 psi 0050 = 0-50 psi 0100 = 0-100 psi 0250 = 0-250 psi 0500 = 0-500 psi 1000 = 0-1000 psi 3000 = 0-3000 psi 6000 = 0-6000 psi 8000 = 0-8000 psi **	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	3 = 0.5% **