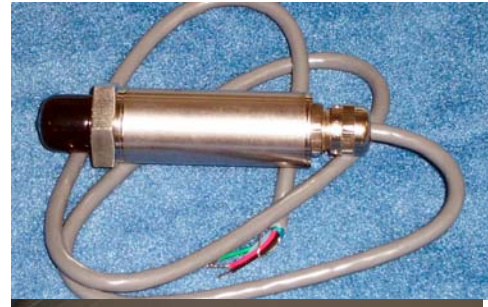




PRESSURE TRANSDUCER

FEATURES

Pressure Transducer is uniquely designed for the broadest possible range of applications, including Process Control Systems, Natural Gas Production, Liquid Level Measurement, Gas Compressors, Lubrication Systems, Chemical Processing, Waste Water Treatment, Pulp & Paper Processing, Oil Production & Recovery, and others. This Pressure Transducer utilizes a micro-machined silicon pressure-sensing die that is isolated for all media by a 316L stainless steel diaphragm. Silicon, as a material, tolerates very high bending stresses with virtually no hysteresis! This provides very high electrical outputs with very little stress, which translates into excellent linearity, increased long-term stability and reliability.



Specifications	
Performance	
Output Signal	1-5 VDC Options-4-20mAmps, 0-1mAmps
Zero & Span Offsets	+0.25% FSO @ 21°C
Accuracy L & R	+0.25% FSO @ 21°C (BFSL)
Long-Term Stability	+0.25% FSO/Year
Compensated Temp	-10° to +85°C (-22° to +185°F)
On Zero & Span	+1.0% FSO Over the Compensated Temperature Range
Input Power	10-32 VDC
Insulation	100 megohms @ 50 VD
Reverse Polarity	Protected
Proof Pressure	150% of Rated Range
Burst Pressure	200% of Rated Range or 30,000 psi, whichever is less
Weight	0.25 kg (0.5 lbs)
Voltage Output--0-1mAmp	
4 WIRE	CONN. WIRE DESCRIPTION
RED	A +IN
BLACK	B COMMON
WHITE	C +OUT
GREEN	D CASE GROUND
Voltage Output--4-20mAmp	
2 WIRE	CONN. WIRE DESCRIPTION
RED	+IN
BLACK	-SIGNAL (COMMON)

Pressure Ranges	
0=3 psi#†	12 = 300 psi#
1 = 5 psi#†	13 = 500 psi*
2 = 15 psi#	14 = 1,000 psi*
3 =20 psi#	15 =1,500 psi*
4 = 25 psi#	16 = 2,000 psi*
5 =30 psi#	17 = 3,000 psi*
6 = 50 psi#	18 = 5,000 psi*
7 = 60 psi#	19 = 6,000 psi*
8 =100 psi#	20 = 7,500 psi*
9 =150 psi#	21 = 10,000 psi*
10=200psi#	22 = 15,000psi*†
11 = 250 psi#	

Ordering Information	
Output	
10	1.0 – 5.0 VDC
11	4 – 20 mAmp
12	0 – 1 mAmp
Options:	Desiccant Replacement 4 – 20 mAmp Output 0 – 1 mAmp Output Absolute Pressure wireless
Reference Pressure	Vented Gauge - Standard

Certifications
 CE-IEC801-2 Level 3, ESD / IEC801-3 Level 3, Radiation RF / IEC801-4 Electrical Fast Transient/Burst / IEC801-5 Level 4,
 Surge to 4 kV / IEC801-6 Level 3, Conducted Susceptibility

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