Noshok Pressure Transmitter

- Up to 20:1 Span Turn Down
- Proven D iffused S emiconductor or Sputt ered T hin Film Stra in Gage T echnology
- Built-in Process T emperature D isplay
- Built-in S electable Process D igital Filtering
- Welded 316 S /S Pressure Chamber
- 32 Point Process Linearization
- Adjustable D isplay for Easy Viewing
- 12 D ifferent Measurement Un its
- CE Compliant

The NOSHOK Series 750 digital pressure transmitter combines the reliability and long life of diffused semiconductor and sputtered thin film strain gage sensors with digital electronics for outstanding performance and value. With up to 20:1 span turn down and -2.5 to 99% zero point adjustment there is maximum flexibility to meet the most unusual application requirements. Additional features including 32 point process linearization, adjustable display orientation and integral process temperature measurement give the Series 750 an advantage over many other pressure transmitters.

▲ 750

ORDERING INFORMATION

To Order Insert Number Code for Each Letter to Select Catalog Number
Order Example: 750-1500-1-1-2-1-ORF

A - B - C - D - E - F

A	Basic Unit			
	750	Digital Pressure Trans mitter		
B	Pressure Range			
	Code	**Range**	**Code**	**Range**
	5	0 to 5 psig	1500	0 to 1500 psig
	25	0 to 25 psig	3000	0 to 3000 psig
	100	0 to 100 psig	7500	0 to 7500 psig
	250	0 to 250 psig	15000	0 to 15000 psig
	500	0 to 500 psig		
	5A	0 to 5 psia	100A	0 to 100 psia
	25A	0 to 25 psi	250A	0 to 250 psia
C	Accuracy (BFSL)			
	1	±0.05% of FS		
D	Output Signal			
	1	4 to 20 mAdc, 2-wire		
E	Process Connections			
	2	1/4" NPT male		
	8	1/2" NPT male		
F	Electrical Connections			
	1	Cable gland M2-x1.5 with internal terminal block, accepts cable diameter from .25 to .5 inch		
G	Options			
	ORF	Stainless steel threaded orifice		

SPECIFICATIONS

Output Signal:	4 to 20 mA, 2-wire
Accuracy	±0.05% Full Scale (Best Fit Straight Line), including the effects of linearity, hysteresis and repeatability; ±0.15% Full Scale for 0 to 15000 psig range
Total accuracy:	±0.15% Full Scale Full Scale, including the effects of linearity, hysteresis
Hysteresis:	±0.04% Full Scale
Repeatability:	±0.05% Full Scale
Stability:	±1 % Full Scale for 1 year
Pressure ranges:	Standard ranges from vacuum through 15,000 psig
Proof pressure:	3.5 times Full Scale for ranges through 0 to 250 psig; 2 times Full Scale for ranges greater than 0 to 250 psig through 0 to 7,500 psig;1.2 times Full Scale for 0 to 15,000 psig;
Burst Pressure	5 times Full Scale for ranges 0 to 5psi through 0 to 7 500 psi 2 times Full Scale for higher ranges
Power supply:	10 to 30 Vdc, unregulated
Turn down effect on accuracy Adjustment:	Turn down up to 5:1, no effect on accuracy Turn down greater than 5:1, accuracy x turndown/5
Response time:	<10 milliseconds (between 10% and 90% Full Scale)
Temperature ranges	Compensated -4˚ to 176˚F (-20˚ to 80˚C) Zero effect is ±0.01% Full Scale/˚F within compensated range Span effect is ±0.01% Full Scale/˚F within compensated range Ambient -4˚ to 158˚F (-20˚ to 70˚C) Media -22˚ to 221˚F (-30 to 105˚C) Storage -31˚ to 176˚F (-35 to 80˚C)
Wetted materials:	316 stainless steel (ranges up through 0 to 250 psi) 316 stainless steel with 17-4PH stainless steel diaphragm (ranges 0 to 500 psig and higher)
Housing material:	Fiberglass reinforced PBT (polybutylene terephtalate)
Environmental rating:	IP65, NEMA 4X according to EN 60529/IEC529
Electromagnetic rating:	CE compliant, emission to EN 50081-1. EN 50081-2 compatibility and EN 50082-2 (Radio Frequency Interference, Electromagnetic Interference and Electrostatic Interference protection)
Electrical rating:	Reverse polarity, over-voltage and short circuit protection
Shock:	100g's according to IEC770 for mechanical shock
Vibration:	5g's according to IEC770 under resonance conditions
Weight:	Approximately 24 oz.