

## Noshok Pressure Transducers and Transmitters

- Thin Film and Diffused Semiconductor Sensor
- High Accuracy and Long Term Stability
- RFI, EMI, and ESD Protection per IEC 1000
- High Overpressure Protection
- Corrosion Resistant Stainless Steel Construction

Series 100 and 200 pressure transmitters and transducers are designed to provide a previously unequalled level of performance, utilizing diffused semiconductor or sputtered thin film technology. Series 100 and 200 transducers are highly accurate, shock resistant and extremely stable over a long period of time.

### ORDERING INFORMATION

To Order: Insert Number Code for Each Letter to Select Catalog Number  
Order Example: 100-7500-1-5-2-7-ORF

A	B	C	D	E	F
<b>A Basic Unit</b>					
100	4-20 mAdc Output				
200	DC Voltage Output				
<b>B Pressure Range</b>					
<b>Code</b>	<b>Range</b>	<b>Code</b>	<b>Range</b>		
30V	0-30" VAC	30/60	30"/60 psig		
30/15	30"/15 psig	30/150	30"/150 psig		
30/30	30"/30 psig				
5	0-5 psig	1000	0-1000 psig		
30	0-30 psig	1500	0-1500 psig		
60	0-60 psig	2000	0-2000 psig		
100	0-100 psig	3000	0-3000 psig		
200	0-200 psig	5000	0-5000 psig		
300	0-300 psig	7500	0-7500 psig		
500	0-500 psig				
10000	0-10000 psig				
15A	0-15 psia	150A	0-150 psia		
30A	0-30 psia	200A	0-200 psia		
60A	0-60 psia	300A	0-300 psia		
100A	0-100 psia				
<b>C Accuracy (BFSL)</b>					
1	±0.5% of FS				
2	±0.25% of FS				
<b>D Output Signal</b>					
1	4-20 mAdc, 2-wire (100 only)				
2	0-5 Vdc, 3-wire (200 only)				
4	1-6 Vdc, 3-wire (200 only)				
5	0-10 Vdc, 3-wire (200 only)				
<b>E Process Connections</b>					
1	1/8" NPT male				
2	1/4" NPT male				
3	7/16" 20 UNF-2A male				
<b>F Electrical Connections</b>					
1	36" cable (connected to option 7)				
2	4-pin BENDIX				
3	6-pin BENDIX				
6	1/2" NPT Conduit with 36" Cable				
7	Mini Hirschmann with mating connector				
<b>G Options</b>					
ORF	Stainless steel threaded orifice				



100



### SPECIFICATIONS

Output Signal:	4-20 mA, 2-wire; 0-5V, 3-wire; 0-10V, 3-wire; 1-6V, 3-wire; 1-5V, 3-wire; 1-11V, 3-wire
Pressure Ranges:	Vacuum and compound through 15,000 psi; gauge and absolute
Proof Pressure:	0-5, 0-10, 0-7500 through 0-15000 psi: 1.5 times 0-15 psi through 0-6000 psi: 2 times range
Burst Pressure:	0-5, 0-10, 0-7500 through 0-15000 psi: 2 times 0-15 psi through 0-6000 psi: 5 times range
Accuracy BFSL: (includes repeatability, hysteresis, and linearity)	±0.5% FS (standard) ±0.25% FS (optional)
Repeatability:	±0.05% FS
Hysteresis:	±0.1% FS
Input Excitation:	14-30 Vdc for voltage output; 12-30 for 4-20 mA
Temperature Ranges:	Compensated 0 ° to 175 °F/-16 to 80°C Effect ±0.02% FS/°F for zero and span Medium -22 ° to 212 °F/-30 ° to 100 °C Ambient -40 ° to 185 °F/-40 ° to 85 °C
Response Time:	Less than 1 ms (between 10-90% FS)
Durability:	100 million cycles minimum
Adjustment:	±5% FS of zero and span
Environmental Protection:	NEMA 4X, IP65 (IEC 529)
Electromagnetic Compatibility per IEC 1000 (EN 50081, EN 50082):	4-2 ESD Level 2 4-3 Fields (RFI) Level 2, (EN 50081, EN 50082) 4-4 Burst Level 3, 4-5 Surge Level 2
Electrical Protection:	Reverse polarity, overvoltage, and short circuit protection
Shock:	Less than ±0.05% FS effect on 100 g's @ 20 ms on any axis
Vibration:	Less than ±0.05% FS effect for 30 g's @ 5-2000 Hz on any axis