

## Noshok Pressure Transducers and Transmitters

- Thin Film and Diffused Semiconductor Sensor
- High Accuracy and Long Term Stability
- Ranges from 2 through 10,000 psi
- Corrosion Resistant Stainless Steel Construction
- Span and Zero Adjustments

Noshok Series 615 and 625 pressure transmitters and transducers are designed to provide a previously unequalled level of performance, utilizing diffused semiconductor or sputtered thin film technology. Series 625 transmitters were developed for applications that require pressure measurement in potentially explosive environments. RFI, EMI, and ESD protection has been engineered in as a standard feature.


**615/625**


### SPECIFICATIONS

Output Signal:	4-20 mA, 2-wire; 1-5 Vdc, 1-6 Vdc, 0-5 Vdc and 0-10 Vdc, 3-wire
Pressure Ranges:	Vacuum and compound through 10,000 psi
Proof Pressure:	0-2 psi through 0-10000 psi: 1.5 times range
Burst Pressure:	0-2 psi through 0-7500 psi: 4 times range 0-10000 psi; 2 times range
Accuracy BFSL: (includes repeatability, hysteresis, and linearity)	± 0.25% FS (standard) ± 0.125% FS (standard)
Input Excitation:	10-30 Vdc for current output 14-30 Vdc for voltage output
Stability:	± 0.2 %FS per year
Temperature Ranges:	Compensated 32 ° to 175 °F/0 to 80 °C Effect ±0.01%/°F of zero and span Medium: 20 ° to 212 °F/-30 ° to 100 °C Ambient: 15 ° to 175 °F/-10 ° to 80 °C
Response Time:	Less than 1 ms
Durability:	100 million cycles minimum
Adjustment:	±5% FS of zero and span
Environmental Protection:	NEMA 4X, IP65 (IEC 529)
Electromagnetic Capability 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 for 100 g's @ 20 ms
Vibration:	Less than ± 0.01% FS effect for 15 g's @ 0-2000 Hz

### ORDERING INFORMATION

To Order Insert Number Code for Each Letter to Select Catalog Number

**A - B - C - D - E - F**

<b>A</b>	Basic Unit			
615	High Performance			
625	Intrinsically Safe; FM, CSA approved			
<b>B</b>	Pressure Range			
	<b>Code</b>	<b>Range</b>	<b>Code</b>	<b>Range</b>
	30V	0-30 "Hg VAC	30/60	30 "Hg/60 psig
	30/15	30 "Hg/15 psig		
	2	0- 2 psig		
	5	0-5 psig	500	0-500 psig
	15	0-15 psig	750	0-750 psig
	30	0-30 psig	1000	0-1000 psig
	60	0-60 psig	2000	0-2000 psig
	100	0-100 psig	3000	0-3000 psig
	150	0-150 psig	5000	0-5000 psig
	300	0-300 psig	7500	0-7500 psig
			10000	0-10,000 psig
<b>C</b>	Accuracy (BFSL)			
1	±0.25% of FS			
2	±0.125% of FS			
<b>D</b>	Output Signal			
1	4-20 mAdc 2-wire			
2	0-5 Vdc, 3-wire (615 only)			
5	0-10 Vdc, 3-wire (615 only)			
<b>E</b>	Process Connections			
2	1/4" NPT male			
8	1/2" NPT male			
<b>F</b>	Electrical Connections			
1	36" cable (connected to option 8)			
3	6 Pin BENDIX (615 only)			
6	1/2" NPT conduit with 36" cable (615 only)			
8	Hirschmann with mating connector			
<b>G</b>	Options			
ORF	Stainless Steel Threaded Orifice			

### Series 1800 Attachable Loop Indicator

#### SPECIFICATIONS

Display:	0.4" digits, -1999 to 9999
Accuracy:	±0.2 % Full Scale, ±1 digit
Update rate:	5 times/second
Filtering:	Digital, field selectable .2, .5, 1 or 1.5 seconds
Range:	The 4-20mA signal from the transmitter can be assigned any display value within the display range. Both scaling points are individually adjustable using the push buttons inside the case
Temp:	Ambient 32 ° to 122°F (0 ° to 50 °C) Effect : ±0.006% Full Scale/ °F
Electrical:	Requires 4-20mA output and Hirschmann (DIN 43650A) connector
Environmental:	IP65, NEMA 4X according to EN 60529/IEC529

### Series 1800 Attachable Loop Indicator

- 4 Digit LCD Display
- Rotates for Best Viewing
- Field Installable on 615 Series

#### ORDERING INFORMATION

NO/1800

