



## 625/626 SERIES

- Low pressure ranges for vapor recovery applications, vacuum and compound ranges through 0 psig to 15,000 psig; absolute ranges from 0 psia to 15 psia through 0 psia to 300 psia
- Current output
- 316 and 14-4PH Stainless Steel wetted parts
- Factory Mutual and Canadian Standards Association approved
- CE compliant to suppress RFI, EMI and ESD
- NSI/ISA-12.27.01 approved single seal

### APPLICATIONS

- Chemical processing
- Gas pressure measurement
- Oil field & offshore
- Mining
- Vapory recovery systems
- Well head measurement

NOSHOK 625 and 626 Series transmitters are Factory Mutual and Canadian Standards Association approved for use in hazardous location applications as follows:

Intrinsically Safe, entity approval for Class I, II and III, Division 1, Groups A, B, C, D, E, F and G; and Class I, Zone 0 Aex ia IIC Dust Ignition-proof for Class II and III, Division 2, Groups F and G Non-incendive for Class I, Division 2, Groups A, B, C and D. CE compliant with pressure equipment directive 2014/68/EU. ANSI/ISA-12.27.01, Approved single seal.

### SPECIFICATIONS

<b>Output signal</b>	4 mA to 20 mA, 2-wire
<b>Pressure ranges</b>	Vacuum through 0 psig to 15,000 psig Absolute from 0 psia to 15 psia through 0 psia to 300 psia
<b>Accuracy</b>	±0.25% full scale (BFSL); optional ±0.125% full scale (BFSL) (Includes the effects of non-linearity, hysteresis, non-repeatability, zero point and full scale errors)
<b>Stability</b>	≤ ±0.2% full scale for 1 year, non-accumulating
<b>Adjustment</b>	± 10% full scale for zero and span
<b>Response time</b>	≤ 1 ms (between 10% and 90% full scale)
<b>Service life</b>	> 100,000,000 load cycles
<b>Temperature ranges</b>	Compensated 32 °F to 176 °F (0 °C to 80 °C) Zero effect is ±0.011% full scale/ °F Span effect is ±0.011% full scale/ °F Media -4 °F to 185 °F (-20 °C to 85 °C) Ambient -4 °F to 176 °F (-20 °C to 80 °C) Storage -22 °F to 221 °F (-30 °C to 105 °C)
<b>Power requirement*</b>	10 Vdc to 30 Vdc (4 mA to 20 mA, 2-wire)
<b>Load limitations</b>	≤ (VPower-10)/0.020 Amp
<b>Proof pressure</b>	3.5 times full scale for ranges 0 psi to 5 psi through 0 psi to 200 psi 2 times full scale for ranges 0 psi to 300 psi through 0 psi to 10,000 psi 1.5 times full scale for 0 psi to 15,000 psi
<b>Burst pressure</b>	4 times full scale for ranges 0 psi to 5 psi through 0 psi to 200 psi 4 times full scale for ranges 0 psi to 300 psi through 0 psi to 10,000 psi 3 times full scale for 0 psi to 15,000 psi
<b>Measuring element</b>	625 Series is 316 Stainless Steel for ranges up through 0 psi to 300 psi, 316 Stainless Steel with 17-4PH Stainless Steel for ≥300 psi; 626 Series is 316 Stainless Steel with NBR o-ring
<b>Connection</b>	316 Stainless Steel
<b>Housing material</b>	316 Stainless Steel
<b>Environmental rating</b>	IP65 to IP67 depending upon electrical connection
<b>Electromagnetic rating</b>	CE compliant to EMC norm EN 61326:2014/A1:1998 RFI, EMI and ESD protection
<b>Electrical protection</b>	Reverse polarity, over-voltage and short circuit protected
<b>Shock</b>	1,000 g's according to IEC 60068-2-27
<b>Vibration</b>	20 g's according to IEC 60068-2-6
<b>Weight</b>	Approximately 7 oz.

\* Unregulated



ORDERING INFORMATION										
SERIES	625	Stainless Steel threaded connection	626	316 Stainless Steel flush diaphragm	626H	Hastelloy flush diaphragm				
<b>PRESSURE RANGES</b>	4/12 oz/in <sup>2</sup>	-4 oz/in <sup>2</sup> to 12 oz/in <sup>2</sup>	30/100	-30 inHg to 100 psig	150	0 psig to 150 psig	5000	0 psig to 5,000 psig	100A	0 psia to 100 psia
	12 oz/in <sup>2</sup>	0 oz/in <sup>2</sup> to 12 oz/in <sup>2</sup>	30/150	-30 inHg to 150 psig	200	0 psig to 200 psig	6000	0 psig to 6,000 psig	150A	0 psia to 150 psia
	16 oz/in <sup>2</sup>	0 oz/in <sup>2</sup> to 16 oz/in <sup>2</sup>	30/200	-30 inHg to 200 psig	300	0 psig to 300 psig	7500	0 psig to 7,500 psig	200A	0 psia to 200 psia
	50 inH <sub>2</sub> O	0 inH <sub>2</sub> O to 50 inH <sub>2</sub> O	3	0 psig to 3 psig	500	0 psig to 500 psig	8000	0 psig to 8,000 psig	250A	0 psia to 250 psia
	100 inH <sub>2</sub> O	0 inH <sub>2</sub> O to 100 inH <sub>2</sub> O	5	0 psig to 5 psig	750	0 psig to 750 psig	10000	0 psig to 10,000 psig		
	30vac	-30 inHg to 0 psig	15	0 psig to 15 psig	1000	0 psig to 1,000 psig	15000	0 psig to 15,000 psig		
	30/15	-30 inHg to 15 psig	30	0 psig to 30 psig	1500	0 psig to 1,500 psig	15A	0 psia to 15 psia		
	30/30	-30 inHg to 30 psig	60	0 psig to 60 psig	2000	0 psig to 2,000 psig	30A	0 psia to 30 psia		
	30/60	-30 inHg to 60 psig	100	0 psig to 100 psig	3000	0 psig to 3,000 psig	60A	0 psia to 60 psia		
	psig = gauge pressure    psia = absolute pressure    Other ranges available on request			Note: 626 Series is available for pressure ranges up to 0 psig to 8,000 psig						
<b>ACCURACY</b>	1	±0.25% full scale (BFSL)		2	±0.125% full scale (BFSL)					
<b>OUTPUT SIGNAL</b>	1	4 mA to 20 mA, 2-wire								
<b>PROCESS CONNECTIONS</b>	2	1/4" NPT male								
	8	1/2" NPT male								
	11	G 1/2 B *								
<b>ELECTRICAL CONNECTIONS</b>	1	36" cable (connected to option 8)								
	3	6-pin Bendix - IP65								
	8	Hirschmann (DIN EN 175301-803 Form A)								
<b>OPTION</b>	14	Hirschmann connector 1/2" NPT conduit - IP65								
	25	M12x1 (4-pin) IP67								
	36	Integral cable 36" - IP67								

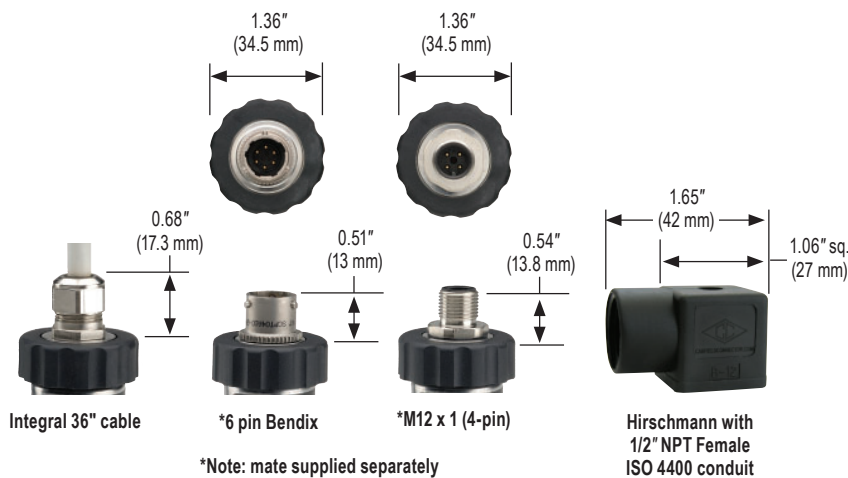
Please consult your local NOSHOK Distributor or NOSHOK, Inc. for availability and delivery information.

\* 626 Series only, G 1/2 B Flush (≥ 30 psig).

**EXAMPLE**

Series ..... 625 Series  
 Pressure range ..... 0 psig to 500 psig  
 Accuracy ..... ±0.25% full scale (BFSL)  
 Output signal ..... 4 mA to 20 mA, 2-wire  
 Process connection ..... 1/2" NPT Male  
 Electrical connection ..... Hirschmann (DIN EN 175301-803 Form A)  
 Option ..... Threaded Orifice

625 - 500 - 1 - 1 - 8 - 8 - ST8



**2-WIRE WIRING**

	Hirschmann	Cable	M12	Bendix
+ Supply	1	Red/Brown	1	A
+ Output	2	Black/Green	3	B

**NOTE**  
 See 621/622 Series for G1/2B and G1B Front Flush Process Connection Dimensions pg. 85

