



# 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 13-8PH Stainless Steel wetted parts
- Factory Mutual and Canadian Standards Association approved
- ANSI/ISA-12.27.01 approved single seal

## APPLICATIONS

- Chemical processing
- Gas pressure measurement
- Oil field & offshore
- Mining
- Vapor 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. 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 13-8PH 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>	Built to suppress 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	
PRESSURE RANGES	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	
	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	
	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	
	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	
	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	
	30vac	-30 inHg to 0 psig		15	0 psig to 15 psig		1000	0 psig to 1,000 psig	
	30/15	-30 inHg to 15 psig		30	0 psig to 30 psig		1500	0 psig to 1,500 psig	
	30/30	-30 inHg to 30 psig		60	0 psig to 60 psig		2000	0 psig to 2,000 psig	
30/60	-30 inHg to 60 psig		100	0 psig to 100 psig		3000	0 psig to 3,000 psig		
	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						
ACCURACY	1	±0.25% full scale (BFSL)		2	±0.125% full scale (BFSL)				
OUTPUT SIGNAL	1	4 mA to 20 mA, 2-wire							
PROCESS CONNECTIONS	2	1/4" NPT male		13	G 1 B (626 Series only, <30 psig)				
	8	1/2" NPT male		45	7/16-20 SAE J514 FIG 34B (Non-Adjustable)				
	11	G 1/2 B *							
ELECTRICAL CONNECTIONS	1	DIN EN 175301-803 Form A w/ 36" Cable		14	DIN EN 175301-803 Form A with 1/2" NPT female conduit – IP65				
	3	6-pin Bayonet - IP65		25	M12x1 (4-pin) IP67				
	8	DIN EN 175301-803 Form A		36	Integral cable 36" - IP67				
OPTION	ST8	Threaded Orifice (625 Series only)							

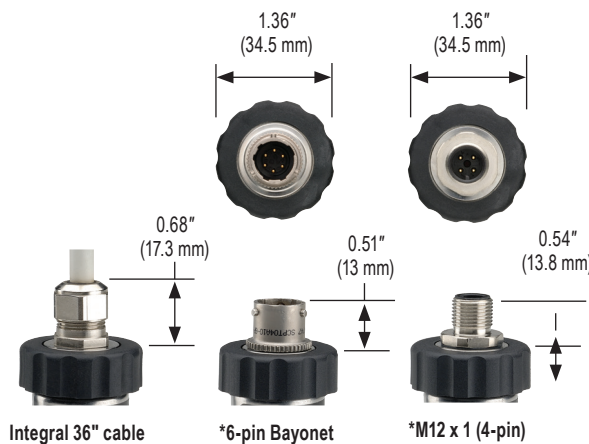
Please consult your local NOSHOK Distributor or NOSHOK, Inc. for availability and delivery information.

\* 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 ..... DIN EN 175301-803 Form A  
 Option ..... Threaded Orifice

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



\*Note: mate supplied separately

### 2-WIRE WIRING

	DIN EN 175301-803 Form A	Cable	M12	Bayonet
V+	1	Red/Brown	1	A
V-	2	Black/Green	3	B

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

