



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
- ANSI/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. ANSI/ISA-12.27.01, Approved single seal.

SPECIFICATIONS

Output signal	4 mA to 20 mA, 2-wire
Pressure ranges	Vacuum through 0 psig to 15,000 psig Absolute from 0 psia to 15 psia through 0 psia to 300 psia
Accuracy	±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)
Stability	≤ ±0.2% full scale for 1 year, non-accumulating
Adjustment	± 10% full scale for zero and span
Response time	≤ 1 ms (between 10% and 90% full scale)
Service life	> 100,000,000 load cycles
Temperature ranges	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)
Power requirement*	10 Vdc to 30 Vdc (4 mA to 20 mA, 2-wire)
Load limitations	≤ (VPower-10)/0.020 Amp
Proof pressure	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
Burst pressure	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
Measuring element	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
Connection	316 Stainless Steel
Housing material	316 Stainless Steel
Environmental rating	IP65 to IP67 depending upon electrical connection
Electromagnetic rating	RFI, EMI and ESD protection
Electrical protection	Reverse polarity, over-voltage and short circuit protected
Shock	1,000 g's according to IEC 60068-2-27
Vibration	20 g's according to IEC 60068-2-6
Weight	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 ²	-4 oz/in ² to 12 oz/in ²	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 ²	0 oz/in ² to 12 oz/in ²	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 ²	0 oz/in ² to 16 oz/in ²	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 ₂ O	0 inH ₂ O to 50 inH ₂ 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 ₂ O	0 inH ₂ O to 100 inH ₂ 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							
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)								

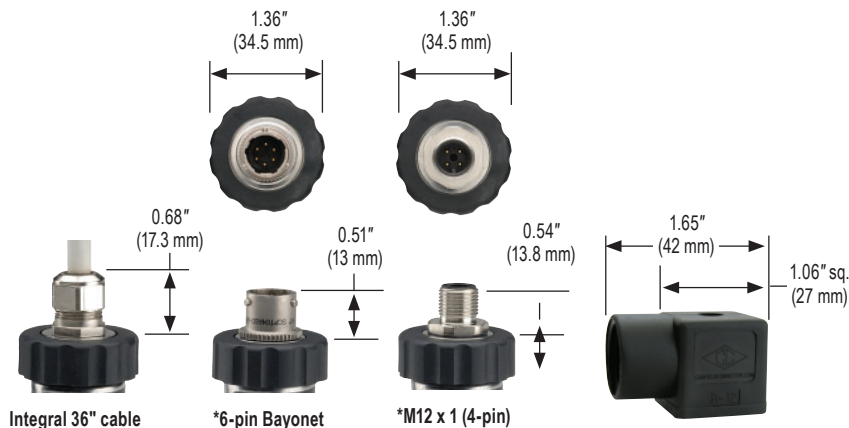
Please consult your local NOSHOK Distributor or NOSHOK, Inc. for availability and delivery information.

* 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



DIN EN 175301-803 Form A