Hazardous Location Pressure Transmitters **Explosion-Proof**





APPLICATIONS

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

NOSHOK 621 and 622 Series transmitters are Factory Mutual and Canadian Standards Association approved for use in hazardous location applications as follows:

Explosion-proof with entity approved for: Class I, Division 1, Groups A, B, C and D. Dust Ignition-proof with entity approval for class II/ III, Division 1, Groups E, F and G. Maximum electrical ratings 30V, 20 mA.

CE compliant with pressure equipment directive 2014/68/EU. ANSI/ISA-12.27.01, Approved single seal.

621/622 SERIES

- Vacuum and compound ranges through 0 psig to 15,000 psig; absolute ranges from 0 psia to 15 psia through 0 psia to 100 psia
- Current and voltage outputs available
- 316 Stainless Steel and Elgiloy wetted parts
- · CE compliant to suppress RFI, EMI and ESD
- NACE MR0175/ISO 15156 compliant
- NSI/ISA-12.27.01-2003 approved single seal

		SPECIFICATIONS
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Output signals		2-wire; 1 Vdc to 5 Vdc, 3-wire; 0.5 Vdc to 4.5 Vdc, 3-wire
Pressure ranges		0 psi to 15,000 psi psia to 15 psia through 0 psia to 100 psia
Accuracy		e (BFSL) (Includes the effects of non-linearity, hysteresis, , zero point and full scale errors)
Stability	≤±0.2% full scale	e for 1 year, non-accumulating
Response time	≤1 ms (between	10% and 90% full scale)
Service life	>100,000,000 loa	ad cycles
Temperature ranges	Compensated Zero effect Span effect	32 °F to 176 °F (0 °C to 80 °C) ±0.011% full scale/ °F ±0.011% full scale/ °F
	Media	T6: -40 °F to 131 °F (-40 °C to 55 °C) T5: -40 °F to 158 °F (-40 °C to 70 °C) T4: -40 °F to 212 °F (-40 °C to 100 °C)
	Ambient	T6: -40 °F to 140 °F (-40 °C to 60 °C) T5: -40 °F to 167 °F (-40 °C to 75 °C) T4: -40 °F to 221 °F (-40 °C to 105 °C)
	Storage	-40 °F to 221 °F (-40 °C to 105 °C)
Power requirement*	6 Vdc to 30 Vdc (5 Vdc to 30 Vdc ((4 mA to 20 mA, 2-wire) 1 Vdc to 5 Vdc, 3-wire) 0.5 Vdc to 4.5 Vdc, 3-wire) (0 Vdc to 10 Vdc, 3-wire)
Load limitations		020 Amp for 4 mA to 20 mA Vdc to 5 Vdc, 3-wire
Proof pressure	1.75 times full sc	for ranges 0 psi to 15 psi through 0 psi to 200 psi ale for ranges 0 psi to 300 psi through 0 psi to 10,000 psi le for 0 psi to 15,000 psi
Burst pressure	4 times full scale	le for ranges 0 psi to 15 psi through 0 psi to 200 psi for ranges 0 psi to 300 psi through 0 psi to 10,000 psi for 0 psi to 15,000 psi
Measuring element	316 Stainless Ste	Stainless Steel for ranges up through 0 psi to 300 psi, eel with Elgiloy ranges 0 psig to 500 psig and higher; Stainless Steel with NBR o-ring; (FKM o-ring optional)
Connection	316 Stainless Ste	eel
Housing material	316 Stainless Ste	eel
Environmental rating	IP67	
Electromagnetic rating	CE compliant to I RFI, EMI and ES	EMC norm EN 61326:2014/A1:1998 D protection
Electrical protection	Reverse polarity,	over-voltage and short circuit protected
Shock	1,000 g's accordi	ing to IEC 60068-2-27
Vibration	20 g's according	to IEC 60068-2-6
Weight	Approximately 12	2 oz.
* Unregulated		

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MARNING: This product can expose you to chemicals including Lead and Nickel, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov



				ORDI	ERING INFORMATION				
SERIES	621	Stainless St threaded co		622	316 Stainless Steel flush diaphragm	622H	Hastelloy C flush diaphragm		
PRESSURE	30vac	-30 inHg to (0 psig	5	0 psig to 5 psig	300	0 psig to 300 psig	6000	0 psig to 6,000 psig
RANGES	30/30	-30 inHg to 3	30 psig	10	0 psig to 10 psig	500	0 psig to 500 psig	8000	0 psig to 8,000 psig
	30/60	-30 inHg to 6	60 psig	15	0 psig to 15 psig	1000	0 psig to 1,000 psig	10000	0 psig to 10,000 psig
	30/100	-30 inHg to	100 psig	30	0 psig to 30 psig	1500	0 psig to 1,500 psig	15000	0 psig to 15,000 psig
	30/160	-30 inHg to	160 psig	60	0 psig to 60 psig	2000	0 psig to 2,000 psig	15A	0 psia to 15 psia
	30/200	-30 inHg to 2	200 psig	100	0 psig to 100 psig	3000	0 psig to 3,000 psig	100A	0 psia to 100 psia
	30/300	-30 inHg to 3	300 psig	200	0 psig to 200 psig	5000	0 psig to 5,000 psig		
	psig = gau	uge pressure	psia = absolute p	pressure Othe	er ranges available on request	Note: 6	22 Series is available for pres	sure ranges up t	o 0 psig to 8,000 psig
ACCURACY	1	±0.25% full	scale (BFSL)						
OUTPUT SIGNALS	1	4 mA to 20 r	mA, 2-wire	3	1 Vdc to 5 Vdc, 3-wire, low power	31	0.5 Vdc to 4.5 Vdc 3-wire	low power	
	2	0 Vdc to 5 V	/dc, 3-wire	5	0 Vdc to 10 Vdc, 3-wire				
PROCESS CONNECTIONS	2	1/4" NPT ma	ale	11	G 1/2 B *				
	8	1/2" NPT ma	ale	13	G 1 B (622 Series only, <30 psig)				
ELECTRICAL CONNECTIONS	6	1/2" NPT ma	ale conduit with 6	'integral cable		37	1/2" NPT male conduit wi	th 6' flying lead	ls with epoxy seal
OPTIONS	ST8	Threaded O (621 Series		20	20' Cable/lead (attached to electrical connection 6 or 37)	30	30' Cable/lead (attached to electrical connection 6 or 37)		

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

621 -

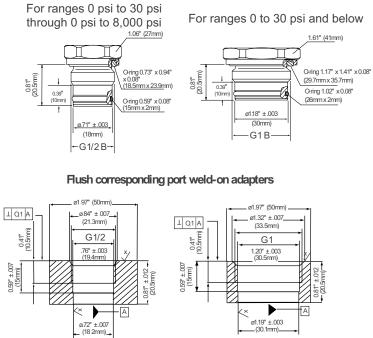
500

* 621 series G1/2B, 622 Series G ½ B Flush (≥30 psig).

EXAMPLE

Series	
Pressure range	0 psig to 500 psig $_$
Accuracy	
Output signal	
Process connection	1/2" NPT Male _
	IPT Male conduit with 6' integral cable _
Option	Threaded Orifice

Front flush process connections





V+

Common

Output

Ground

 V+
 Red

 V Black

 Ground
 Gray

-	_	

Red

Black

Brown

Gray