

Intrinsically Safe Hammer Union



628 SERIES

- Ranges from 0 psig to 5,000 psig through 0 psig to 20,000 psig
- 4 mA to 20 mA, 2-wire output signal
- Inconel X-750 diaphragm and connection
- Canadian Standards Association approved
- NACE MR0175/ISO 15156 compliant
- Every sensor comes with a Certificate of Calibration
- Certifications pending:
 - Factory Mutual
 - ATEX
 - CE

APPLICATIONS

- Acidizing
- Choke & kill manifold
- Fracturing & cementing
- Mud logging & mud pumps
- Oil field & offshore
- Well head measurement

NOSHOK Model 628 transmitters are Canadian Standards Association approved for use in hazardous location applications as follows:

Intrinsically Safe Class I, DIV 1, Groups A,B,C,D, -40°C, Tamb<+85°C T4, Class II, DIV 1, Groups E,F,G, Class III, Class I, Zone 0 AEx/Ex ic IIC T4.

Non-Incendive Class I, DIV 2, Groups A,B,C,D, -40°C, Tamb<+85°C T4, Class II, DIV 2, Groups F,G, Class III, Class I, Zone 2 AEx/Ex ic IIC T4.

SPECIFICATIONS

Output signal	4 mA to 20 mA
Pressure ranges	0 psig to 5,000 psig through 0 psig to 20,000 psig
Accuracy	±0.25% 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
Response time	< 2 m/s
Durability	> 10 million load cycles
Temperature ranges	Compensated 40 °F to 140 °F (5 °C to 60 °C) Zero effect is ±0.01% full scale/ °F Span effect is ±0.01% full scale/ °F Media -40 °F to 185 °F (-40 °C to 85 °C) Ambient -40 °F to 185 °F (-40 °C to 85 °C) Storage -40 °F to 185 °F (-40 °C to 85 °C)
Power requirement*	10 Vdc to 28 Vdc
Load limitations	≤ (VPower-10)/0.020 Amp
Proof pressure	1.5 times full scale (22,500 psi maximum)
Burst pressure	3 times full scale (22,500 psi maximum)
Measuring element	Inconel X-750 diaphragm
Connection	Inconel X-750
Housing material	316 stainless steel
Environmental rating	IP67 depending upon electrical connection
Electromagnetic rating	2004/108/EEC, EN 61326 Emission (Group 1, Class B) and Immunity (industrial locations)
Electrical protection	Reverse polarity, over-voltage and short circuit protected
Shock	100 g's
Vibration	15 g's
Weight	Approximately 6 lb.

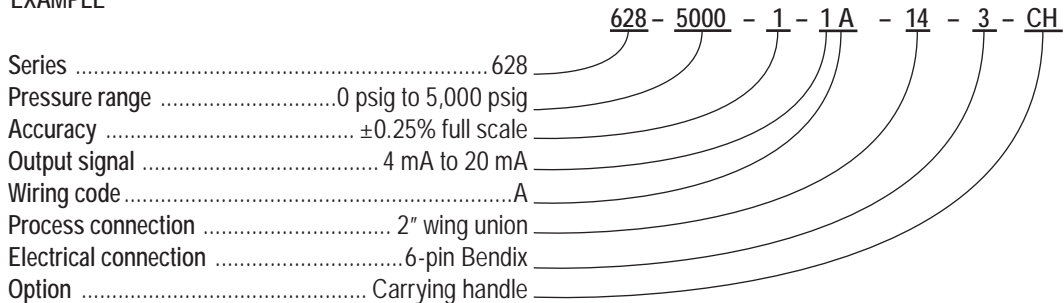
* Unregulated

ORDERING INFORMATION	
SERIES	628 Hammer union transmitter
PRESSURE RANGES	5000 0 psig to 5,000 psig 6000 0 psig to 6,000 psig 10000 0 psig to 10,000 psig 15000 0 psig to 15,000 psig 20000 0 psig to 20,000 psig
ACCURACY	1 ±0.25% full scale (BFSL)
OUTPUT SIGNAL	1 4 mA to 20 mA
WIRING CODE (See Wiring Code Schematics below)	A E H* C F D G
PROCESS CONNECTIONS	14 2" wing union (#1502)
ELECTRICAL CONNECTIONS	3 6-pin Bendix (MIL-C-26482) 44 4-pin Glenair (MIL-C-5015) 36 Integral cable with gland
OPTION	CH Carrying Handle

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

* H is the standard wiring code.

EXAMPLE



WIRING CODE SCHEMATICS

Code	Wire Color	Signal	Code	Pin	Signal	Code	Pin	Signal
A	Pin A	+ Supply	E	Pin A	+ Supply	G	Pin B	+ Supply
	Pin B	- Output		Pin B	- Output		Pin C	- Output
	Pin E	Ground		Pin E	+ Shunt Cal		Pin D	Ground
C	Red	+ Supply	F	Pin F	- Shunt Cal	H*	Pin A	+ Supply
	Black	- Output		Pin A	+ Supply		Pin B	- Output
D	Red	+ Supply	Pin B	- Output	Pin D		Ground	
	Black	- Output	Pin C	+ Shunt Cal	Pin E		+ Shunt Cal	
	White	- Shunt Cal	Pin D	- Shunt Cal	Pin F		- Shunt Cal	
	Green	Ground	Pin E	Ground				

* H is the standard wiring code.

