Intrinsically Safe Hammer Union ________







Shown with optional Electrical Connector Cage

APPLICATIONS

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

NOSHOK 628 Series 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 ia 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.

628 SERIES

- Ranges from 0 psig to 5,000 psig through 0 psig to 20,000 psig
- · Current output
- Inconel X-750 wetted parts
- Canadian Standards Association approved
- · Every sensor comes with a Certificate of Calibration
- Certifications pending:
 - Factory Mutual
 - ATEX
 - CE

SPECIFICATIONS								
Output signal	4 mA to 20 mA, 2-wire							
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							
Service life > 10,000,000 load cycles								
Temperature ranges	Compensated 40 °F to 140 °F (5 °C to 60 °C) Zero effect is $\pm 0.01\%$ full scale/ °F Span effect is $\pm 0.01\%$ reading/ °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							
Connection	Inconel X-750							
Housing material	316 Stainless Steel							
Environmental rating	IP67 depending upon electrical connection							
Electromagnetic rating	CE compliant to EMC norm EN 61326:2014/A1:1998 RFI, EMI and ESD protection							
Electrical protection	Reverse polarity, over-voltage and short circuit protected							
Shock	100 g's according to IEC 60068-2-27							
Vibration	15 g's according to IEC 60068-2-6							
Weight	Approximately 6 lb.							

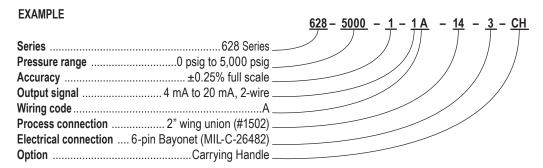
^{*} Unregulated



ORDERING INFORMATION									
SERIES	628								
PRESSURE RANGES	5000	0 psig to 5,000 psig 600	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, 2-wire							
WIRING CODE	Α	ı		H *					
(See Wiring Code	С	I	:	J					
Schematics below)	D	(3						
PROCESS CONNECTIONS	14	2" Wing union (#1502)							
ELECTRICAL	3	6-pin Bayonet (MIL-C-26482)		44	4-pin (MIL-5015 Type)				
CONNECTIONS	36	Integral cable with gland							
OPTION	CH	Carrying Handle		EC	Electrical Connector Ca	age	•		

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

^{*} H is the standard wiring code.



WIRING CODE SCHEMATICS

	Pin A	V+		Pin A	V+		Pin B	V-		Pin A	V+
Α	Pin B	V-	- E	Pin B	V-	G	Pin C	V+		Pin B	V-
	Pin E	Ground		Pin E	V+		Pin D	Ground		Pin C	- Shunt Cal
	Red	V+		Pin F	- Shunt Cal		Pin A	V+	J	Pin D	+ Shunt Cal
С	Black	V-		Pin A	V+	Н*	Pin B	V-		Pin E	CASE GROUND, NOT CONNECTED**
	Red	V+		Pin B	V-		Pin D	Ground		Pin F	CASE GROUND, NOT CONNECTED**
D	Black	V-		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.

^{**} No internal connection to E or F.



