

Features

- HART™ digital communication
- Better than +/- 0.5% combined error
- 4 - 20 mA loop-powered output
- 0 - 25 to 0 -10,000 psi
- Explosion Proof, ATEX/Intrinsically Safe approved
- Meets PED and CE requirements

Benefits

- Configurable via handheld
- Precise repeatable pressure measurements
- Output supplied directly to DCS or PLC
- Customer defined pressure ranges
- Approved for hazardous environments
- Meets new EC requirements

Description

The SPX2292 is a smart 4 - 20 mA button seal pressure transmitter designed for use in hazardous locations. The SPX2292 is all welded construction that features a large diaphragm with 1 1/2-16 UN2A thread for easy installation. The SPX2292E has explosion proof approval for Class 1, Division I, Groups A, B, C & D. The explosion proof model employs a conduit fitting. The SPX2292S is ATEX/Intrinsically Safe approved for II 1 G 100a Eex ia IIC, Zones 0 and 1. The ATEX/Intrinsically Safe models can be supplied with either a conduit fitting or a hermetic 6 pin Bendix connector.

Specifications

PERFORMANCE CHARACTERISTICS

Output: 4 - 20 mA, with optional HART™
 Input Voltage: 16 - 36 Vdc (Standard)
 16 - 30 Vdc (ATEX & Intrinsically Safe Applications)
 Combined Error: +/- 0.5% FSO
 (Including Linearity, Repeatability & Hysteresis)
 Repeatability: +/- 0.1%FSO
 Rangability: 3:1 Turndown
 Over Pressure: 2 X FSO < 7,500 psi;
 1.5 x FSO for 10,000 psi
 Zero Balance Adjustment Range: -40% to +10%;
 -80% to +20% for < 500 psi
 Load Resistance: 500 @ 26 Vdc, 1000 @ 36 Vdc

TEMPERATURE & MECHANICAL CHARACTERISTICS

Max Diaphragm Temperature: 600°F (315°C)
 Zero Shift (due to temperature change):
 1 psi/100°F Typical (from 75 to 450°F)
 2 psi/100°F Typical (from 450 to 600°F)
 Electronics Operating Temperature:
 -20° to 185°F (-29° to 85°C)
 Effects over Compensated Temperature Range of
 0° to 150°F (-18° to 65°C) - Zero & Span (each):
 0.01% FS/°F max (0.02% FS/°C max)
 Mounting Torque: 125 inch/lbs. maximum
 Standard Wetted Parts: Dymax® coated 15-5 PH SST

<http://www.aplus-hmi.com/>

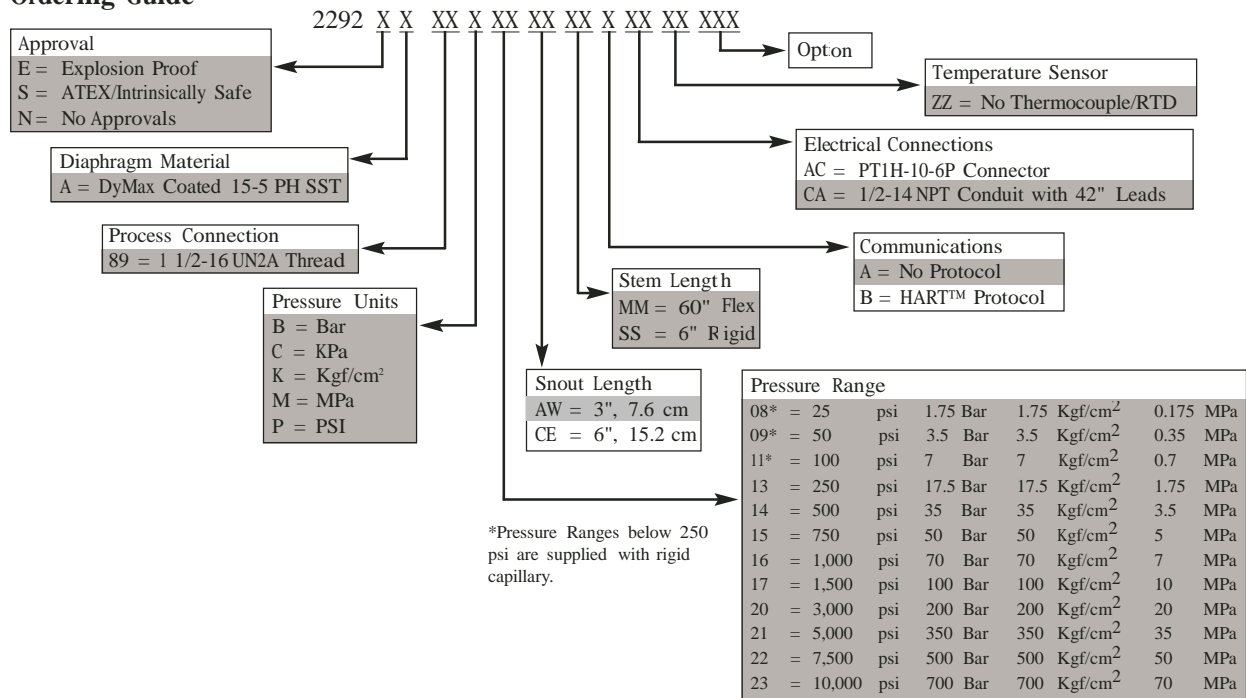
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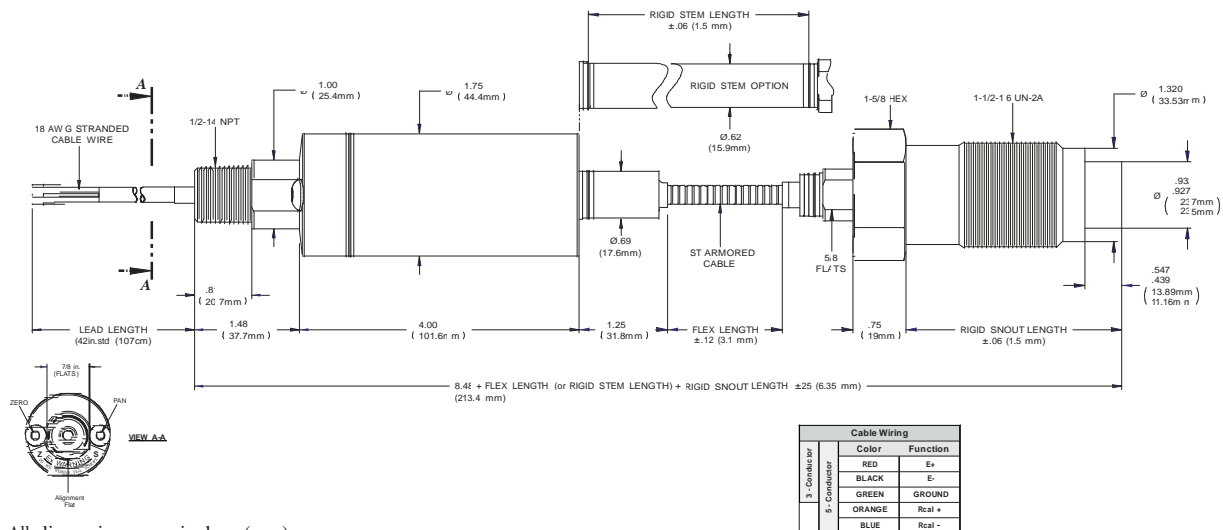
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Ordering Guide



Shaded sections refer to standard configurations. Accuracy may be affected if non-standard configurations are used. For additional options please consult factory.



All dimensions are inches (mm).