Model 46SW Explosionproof | ASIC



Stainless Steel Media Isolated Pressure Switch

Overview

The Model 46SW is a high accuracy Explosionproof Pressure Switch, designed for use in a variety of applications. Applying digital compensation, this product offers top performance over a wide temperature range. Utilizing Krystal Bond Technology™, the sensing element will measure pressure in the most extreme temperature conditions. Where other sensor technologies will freeze or boil, the AST46SW uses a one piece stainless steel sensor to offer continuous operation. If linearity and repeatability are critical for your application, this product will exceed your expectations at an affordable price.

Benefits

- CSA30 (UL1203 / FM3615) Class I Div 1 and Zone 1 Group IIC Explosionproof - Groups A, B, C, D
- ANSI 12.27.08-1 Single Seal Approved
- ASIC Compensation
- Superb Temperature Performance
- Wide Operating Temperature Range
- Excellent Accuracy
- High Proof and Burst Pressure
- Factory Sealed

Applications

- Well Optimization
- Oil and Gas Pipelines
- Drilling Platforms
- CNG / Hydrogen Fill Stations
- Paint Booths
- RTU
- Combustion Controls

Performance	@ 25°C (77°F)
Error Tolerance	<±1.0% BFSL of line pressure
Over range Protection	2X rated line pressure, standard*
Burst Pressure	5X or 60,000PSI of line pressure, whichever is less
Pressure Cycles	> 100 million full pressure cycle
*For higher proof pressu	ures, contact factory

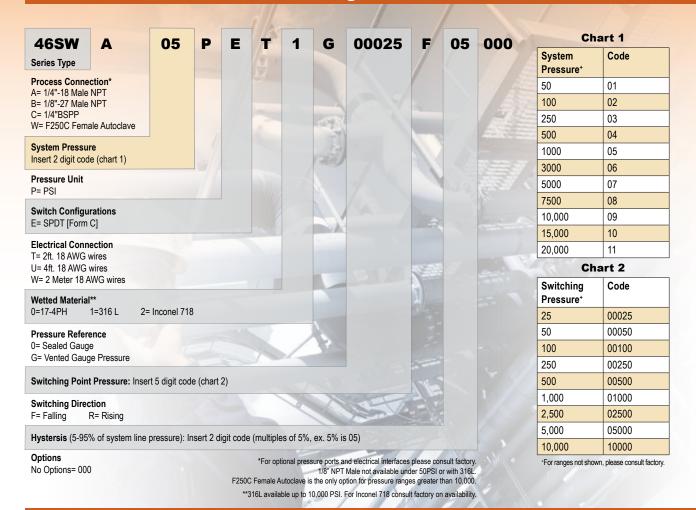
SINGLE SEAL	
CE CE	Krystal Echnology by AST

Environmental Data	
Temperature	
Operating	-40 to 85°C (-40 to 185°F)
Storage	-50 to 105°C (-58 to 221°F)
Thermal Limits	
Compensated Range	-20 to 70°C (-4 to 158°F)
Other	
Shock	100G, 11 msec, 1/2 sine
Vibration	10G peak, 20 to 2000 Hz.
EMI/RFI Protection:	Yes
Rating:	IP-66

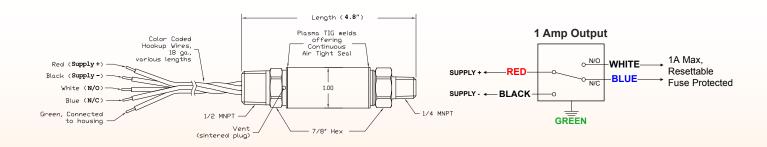
Electrical Data	
Excitation	10-28VDC
Current Consumption	<10mA
Set Point	See Chart on page 2
Output Load	1 Amp., Resistive
Reverse Polarity Protection	Yes



Ordering Information



Dimensional Data



Warranty

Workmanship - AST, Inc. pressure transmitters have a limited one-year warranty to the original purchaser. AST, Inc. will replace or repair, free of charge, any defective transmitter. This warranty does not apply to any units that have been modified; misused, neglected or installed where the application exceeds published ratings. AST's sensors are made with pride in New Jersey, USA. If in the area please feel free to stop by for a visit!

Installation/Applications - The purchaser is responsible for media compatibility, functional adequacy, and correct installation of the transmitter.