



EXPLOSION-PROOF

High Accuracy 0.1% Pressure Transducer AST46HA

Overview

Applying digital compensation, the AST46HA offers top performance over a wide temperature range. Where other sensor technologies will freeze or boil, the AST46HA uses a one piece stainless steel sensor to offer continuous operation.

Factory Sealed Gauge Pressure Transducer

- Pressures from 100 to 20,000 PSI
- CSA approved for use in hazardous areas including:
 - ✓ UL1203/FM3615 Class I Zone 1 Group IIC
 - ✓ Class I Div 1 Groups A, B, C, D Explosionproof
 - ✓ Class II Div 1 Groups E, F, G Dust Ignition-proof

Vented Gauge Pressure Transducer

- Pressures from 1 to 1,000 PSI Gauge
- CSA approved for use in hazardous areas including:
 - ✓ Class I Zone 1 Group IIC
 - ✓ Class I Div 1 Groups A, B, C, D Explosionproof

Benefits

- ATEX / IECEx: Class I, Zone 1, Ex d IIC T5 Gb (Ta = -40°C to 85°C)
- ANSI/ISA-12.27.01.2003 Certified "Single Seal" (no secondary seal required)
- ABS (American Bureau of Shipping) Approved
- ASIC Compensation
- Superb Temperature Performance | Wide Operating Temperature
- Excellent Accuracy
- High Proof and Burst Pressure
- Exotic Alloys Available (Hastelloy, Inconel)

Applications

- Well Optimization
- Oil and Gas Pipelines
- Drilling Platforms
- Marine & Offshore
- CNG / Hydrogen Fill Stations
- Paint Booths
- Remote Telemetry Unit
- Cold Climate Drilling & Mining
- Panel Instrumentation

Environmental Data

Ambient Temperature: 25°C (77°F) (Unless otherwise specified)

| | |
|--------------------------|-----------------------------|
| Operating Ambient | -40 to 85°C (-40 to 185°F) |
| Operating Media | -40 to 125°C (-40 to 257°F) |
| Storage | -40 to 100°C (-40 to 212°F) |

Shock, Vibration & Ingress Protection (IP)

| Standard | Description | Test Value |
|----------------------|----------------------|---|
| EN 60067-2-27 | Shock Test | 500m/s ² , 6ms, half sine-wave, 6 shocks (3/direction), horizontal and vertical axis, 12 total shocks |
| EN 60068-2-6 | Sinusoidal Vibration | 5-25 Hz, 2mm, 25-150 Hz, 50m/s, Sweep rate: 1 octave/min, Duration: 24 hours/axis (48 hours total), horizontal and vertical axis |
| EN 60068-2-64 | Random Vibration | 10-2000 Hz, vibration level: 0.0314 (m/s ²) ² /Hz, 24 hrs/axis (48 hrs total), 2 directions: horizontal and vertical |
| IEC 60068-2-32 | Drop Test | Drop of 1 meter to floor made of concrete. Dropped twice on the threaded end and two times perpendicular to the threaded end. |
| IP-65 (Gauge) | Ingress Protection | Dust-tight, protected against water jets |
| IP-66 (Sealed Gauge) | Ingress Protection | Dust-tight, protected against powerful water jets |

Performance

Ambient Temperature: 25°C (77°F) (Unless otherwise specified)

| Parameters | MIN | TYP | MAX | UNITS | NOTES |
|-------------------------|------|--|------|---------|-------|
| Accuracy | -0.1 | | +0.1 | %Span | 1 |
| Zero Error | -0.5 | | +0.5 | %Span | 2 |
| Span Error | -0.5 | | +0.5 | %Span | 3 |
| Thermal Error, Zero | -0.5 | | +0.5 | %Span | 4 |
| Thermal Error, Span | -0.5 | | +0.5 | %Span | 5 |
| Stability (1 year) | | ±0.25 | | %Span | |
| Proof Pressure | | 2X Rated Pressure | | PSI | 6 |
| Burst Pressure | | 5X Rated Pressure or 50,000 (whichever is less) | | PSI | 7 |
| Compensated Temp. Range | | -20 to 70° (-4 to 158°) | | °C (°F) | |

Electrical Data

| Model | AST46HA | | | |
|-----------------------------|------------|------------------|--------------|----------------------|
| Output | 4-20mA | 0-5V, 1-5V, 1-6V | 0-10V, 1-10V | 0.5-4.5V Ratiometric |
| Excitation | 10-28VDC | 10-28VDC | 15-28VDC | 5.0 ± 0.5VDC |
| Output Impedance | > 10k Ω | < 100 Ω | < 100 Ω | < 100 Ω |
| Current Consumption | - | <10mA | <10mA | <10mA |
| Output Noise | - | <1mv RMS | <1mV RMS | <1mV RMS |
| Output Load | 0-800 Ohms | 5k Ohms min. | 5k Ohms min. | 5k Ohms, min. |
| Reverse Polarity Protection | Yes | Yes | Yes | Yes |
| Sampling Rate | 400Hz | 400Hz | 400Hz | 400Hz |

Notes

1. The maximum deviation from a best fit straight line (BFSL) fitted to the output measured over the pressure range at 25°C. Includes all errors due to pressure non-linearity, hysteresis, and non-repeatability. Span is the algebraic difference between full scale output and zero pressure offset.
2. The maximum variation from the ideal offset measured at 25°C.
3. The maximum variation from the ideal full-scale span measured at 25°C.
4. The maximum variation of offset within the compensated temperature range relative to 25°C.
5. The maximum variation of full-scale span within the compensated temperature range relative to 25°C.
6. The maximum pressure that can be safely applied to the product for it to remain in specification once pressure is returned to the operating pressure range.
7. The maximum pressure that can be applied without causing escape of the pressure media.

Dimensions & Electrical Connection

Unless otherwise specified, all dimensions are in inches

| <p>EC + SH + PC = Total Nominal Product Length</p> | | <p>Ranges 25 PSI and Above</p> <p>EC = Electrical Connector SH = Sensor Housing PC = Process Connection V = Voltage Supply N/C = Not Connected WP = Wide Pin S = Signal</p> | | | | | | | | | | | | | | | |
|---|----------------------------|--|------------------------------------|-------|------|------|-------|-----|----|-----|----|----|-------|---|-----|--|--|
| <p>EC + SH + PC = Total Nominal Product Length</p> | | <p>Ranges Below 25 PSI</p> <p>EC = Electrical Connector SH = Sensor Housing PC = Process Connection V = Voltage Supply N/C = Not Connected WP = Wide Pin S = Signal</p> | | | | | | | | | | | | | | | |
| Electrical Connectors Option Codes | | | | | | | | | | | | | | | | | |
| Cable | | | | | | | | | | | | | | | | | |
| T 2ft (0.6m) | U 4ft (1.2m) | W 6.6ft (2m) | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Color</th> <th>3 Wire Voltage</th> <th>4-20mA Case</th> </tr> </thead> <tbody> <tr> <td>Green</td> <td>Case</td> <td>Case</td> </tr> <tr> <td>Black</td> <td>GND</td> <td>-V</td> </tr> <tr> <td>Red</td> <td>+V</td> <td>+V</td> </tr> <tr> <td>White</td> <td>S</td> <td>N/C</td> </tr> </tbody> </table> | Color | 3 Wire Voltage | 4-20mA Case | Green | Case | Case | Black | GND | -V | Red | +V | +V | White | S | N/C | | |
| Color | 3 Wire Voltage | 4-20mA Case | | | | | | | | | | | | | | | |
| Green | Case | Case | | | | | | | | | | | | | | | |
| Black | GND | -V | | | | | | | | | | | | | | | |
| Red | +V | +V | | | | | | | | | | | | | | | |
| White | S | N/C | | | | | | | | | | | | | | | |
| Pressure Port Option Codes | | | | | | | | | | | | | | | | | |
| A 1/4 NPT Male | I 1/4 NPT Female | P 1/2 NPT Male | W F250C Female Autoclave | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |

| Legend | |
|--------|--------------------|
| ✓ | Standard Available |
| X | Not Available |

Available Process Connection, Material Configurations & Pressure Codes

17-4PH PSI

| Pressure Range | Pressure Reference | Pressure Range Code | PSI Unit | Process Connection Code | | | |
|----------------|--------------------|---------------------|----------|-------------------------|---|---|---|
| | | | | A | I | P | W |
| -14.7 - 25 | V | 0025 | P | ✓ | ✓ | ✓ | X |
| -14.7 - 50 | V | 0050 | P | ✓ | ✓ | ✓ | X |
| -14.7 - 100 | V | 0100 | P | ✓ | ✓ | ✓ | X |
| -14.7 - 150 | V | 0150 | P | ✓ | ✓ | ✓ | X |
| -14.7 - 200 | V | 0200 | P | ✓ | ✓ | ✓ | X |
| -14.7 - 250 | V | 0250 | P | ✓ | ✓ | ✓ | X |
| -14.7 - 500 | V | 0500 | P | ✓ | ✓ | ✓ | X |
| 0 - 25 | G | 0025 | P | ✓ | ✓ | ✓ | X |
| 0 - 50 | G | 0050 | P | ✓ | ✓ | ✓ | X |
| 0 - 100 | G | 0100 | P | ✓ | ✓ | ✓ | X |
| 0 - 150 | G | 0150 | P | ✓ | ✓ | ✓ | X |
| 0 - 200 | G | 0200 | P | ✓ | ✓ | ✓ | X |
| 0 - 250 | G | 0250 | P | ✓ | ✓ | ✓ | X |
| 0 - 500 | G | 0500 | P | ✓ | ✓ | ✓ | X |
| 0 - 1,000 | 0 | 1000 | P | ✓ | ✓ | ✓ | X |
| 0 - 2,500 | 0 | 2500 | P | ✓ | ✓ | ✓ | X |
| 0 - 5,000 | 0 | 5000 | P | ✓ | ✓ | ✓ | X |
| 0 - 7,500 | 0 | 7500 | P | ✓ | ✓ | ✓ | X |
| 0 - 10,000 | 1 | 0000 | P | ✓ | ✓ | ✓ | X |
| 0 - 15,000 | 1 | 5000 | P | X | ✓ | ✓ | X |
| 0 - 20,000 | 2 | 0000 | P | X | X | X | ✓ |

17-4PH Bar

| Pressure Range | Pressure Reference | Pressure Range Code | BAR Unit | Process Connection Code | | | |
|----------------|--------------------|---------------------|----------|-------------------------|---|---|---|
| | | | | A | I | P | W |
| -1 to 2 | V | 0002 | B | ✓ | ✓ | ✓ | X |
| -1 to 5 | V | 0005 | B | ✓ | ✓ | ✓ | X |
| -1 to 7 | V | 0007 | B | ✓ | ✓ | ✓ | X |
| -1 to 10 | V | 0010 | B | ✓ | ✓ | ✓ | X |
| -1 to 20 | V | 0020 | B | ✓ | ✓ | ✓ | X |
| 0 - 2 | G | 0002 | B | ✓ | ✓ | ✓ | X |
| 0 - 5 | G | 0005 | B | ✓ | ✓ | ✓ | X |
| 0 - 7 | G | 0007 | B | ✓ | ✓ | ✓ | X |
| 0 - 10 | G | 0010 | B | ✓ | ✓ | ✓ | X |
| 0 - 20 | G | 0020 | B | ✓ | ✓ | ✓ | X |
| 0 - 35 | G | 0035 | B | ✓ | ✓ | ✓ | X |
| 0 - 50 | G | 0050 | B | ✓ | ✓ | ✓ | X |
| 0 - 100 | 0 | 0100 | B | ✓ | ✓ | ✓ | X |
| 0 - 250 | 0 | 0250 | B | ✓ | ✓ | ✓ | X |
| 0 - 350 | 0 | 0350 | B | ✓ | ✓ | ✓ | X |
| 0 - 500 | 0 | 0500 | B | ✓ | ✓ | ✓ | X |
| 0 - 700 | 0 | 0700 | B | ✓ | ✓ | ✓ | X |
| 0 - 1,000 | 0 | 0000 | B | X | ✓ | ✓ | X |

INDUSTRIAL OEM

AST46HA Pressure Transmitter

316L PSI

| Pressure Range | Pressure Reference | Pressure Range Code | PSI Unit | Process Connection Code | | | |
|----------------|--------------------|---------------------|----------|-------------------------|---|---|---|
| | | | | A | I | P | W |
| 0 - 1 | G | 0001 | P | ✓ | X | ✓ | X |
| 0 - 2.5** | G | 0069 | H | ✓ | X | ✓ | X |
| 0 - 5 | G | 0005 | P | ✓ | X | ✓ | X |
| 0 - 7.5** | G | 0208 | H | ✓ | X | ✓ | X |
| 0 - 10 | G | 0010 | P | ✓ | X | ✓ | X |
| 0 - 15 | G | 0015 | P | ✓ | X | ✓ | X |
| -14.7 - 25 | V | 0025 | P | ✓ | ✓ | ✓ | X |
| -14.7 - 50 | V | 0050 | P | ✓ | ✓ | ✓ | X |
| -14.7 - 100 | V | 0100 | P | ✓ | ✓ | ✓ | X |
| -14.7 - 150 | V | 0150 | P | ✓ | ✓ | ✓ | X |
| -14.7 - 200 | V | 0200 | P | ✓ | ✓ | ✓ | X |
| -14.7 - 250 | V | 0250 | P | ✓ | ✓ | ✓ | X |
| -14.7 - 500 | V | 0500 | P | ✓ | ✓ | ✓ | X |
| 0 - 25 | G | 0025 | P | ✓ | ✓ | ✓ | X |
| 0 - 50 | G | 0050 | P | ✓ | ✓ | ✓ | X |
| 0 - 100 | G | 0100 | P | ✓ | ✓ | ✓ | X |
| 0 - 150 | G | 0150 | P | ✓ | ✓ | ✓ | X |
| 0 - 200 | G | 0200 | P | ✓ | ✓ | ✓ | X |
| 0 - 250 | G | 0250 | P | ✓ | ✓ | ✓ | X |
| 0 - 500 | G | 0500 | P | ✓ | ✓ | ✓ | X |
| 0 - 1,000 | 0 | 1000 | P | ✓ | ✓ | ✓ | X |
| 0 - 2,500 | 0 | 2500 | P | ✓ | ✓ | ✓ | X |
| 0 - 5,000 | 0 | 5000 | P | ✓ | ✓ | ✓ | X |
| 0 - 7,500 | 0 | 7500 | P | ✓ | ✓ | ✓ | X |
| 0 - 10,000 | 1 | 0000 | P | ✓ | ✓ | ✓ | X |
| 0 - 15,000 | 1 | 5000 | P | X | ✓ | X | X |
| 0 - 20,000 | 2 | 0000 | P | X | X | X | ✓ |

316L Bar

| Pressure Range | Pressure Reference | Pressure Range Code | BAR Unit | Process Connection Code | | | |
|----------------|--------------------|---------------------|----------|-------------------------|---|---|---|
| | | | | A | I | P | W |
| -1 to 2 | V | 0002 | B | ✓ | ✓ | ✓ | X |
| -1 to 5 | V | 0005 | B | ✓ | ✓ | ✓ | X |
| -1 to 7 | V | 0007 | B | ✓ | ✓ | ✓ | X |
| -1 to 10 | V | 0010 | B | ✓ | ✓ | ✓ | X |
| -1 to 20 | V | 0020 | B | ✓ | ✓ | ✓ | X |
| 0 - 2 | G | 0002 | B | ✓ | ✓ | ✓ | X |
| 0 - 5 | G | 0005 | B | ✓ | ✓ | ✓ | X |
| 0 - 7 | G | 0007 | B | ✓ | ✓ | ✓ | X |
| 0 - 10 | G | 0010 | B | ✓ | ✓ | ✓ | X |
| 0 - 20 | G | 0020 | B | ✓ | ✓ | ✓ | X |
| 0 - 35 | G | 0035 | B | ✓ | ✓ | ✓ | X |
| 0 - 50 | G | 0050 | B | ✓ | ✓ | ✓ | X |
| 0 - 100 | 0 | 0100 | B | ✓ | ✓ | ✓ | X |
| 0 - 250 | 0 | 0250 | B | ✓ | ✓ | ✓ | X |
| 0 - 350 | 0 | 0350 | B | ✓ | ✓ | ✓ | X |
| 0 - 500 | 0 | 0500 | B | ✓ | ✓ | ✓ | X |
| 0 - 700 | 0 | 0700 | B | ✓ | ✓ | ✓ | X |
| 0 - 1,000 | 0 | 0000 | B | X | ✓ | X | X |

INDUSTRIAL OEM

AST46HA Pressure Transmitter

Inconel PSI

| Pressure Range | Pressure Reference | Pressure Range Code | PSI Unit | Process Connection Code | | | |
|----------------|--------------------|---------------------|----------|-------------------------|---|---|---|
| | | | | A | I | P | W |
| -14.7 - 25 | V | 0025 | P | ✓ | X | ✓ | X |
| -14.7 - 50 | V | 0050 | P | ✓ | X | ✓ | X |
| -14.7 - 100 | V | 0100 | P | ✓ | X | ✓ | X |
| -14.7 - 150 | V | 0150 | P | ✓ | X | ✓ | X |
| -14.7 - 200 | V | 0200 | P | ✓ | X | ✓ | X |
| -14.7 - 250 | V | 0250 | P | ✓ | X | ✓ | X |
| -14.7 - 500 | V | 0500 | P | ✓ | X | ✓ | X |
| 0 - 25 | G | 0025 | P | ✓ | X | ✓ | X |
| 0 - 50 | G | 0050 | P | ✓ | X | ✓ | X |
| 0 - 100 | G | 0100 | P | ✓ | X | ✓ | X |
| 0 - 150 | G | 0150 | P | ✓ | X | ✓ | X |
| 0 - 200 | G | 0200 | P | ✓ | X | ✓ | X |
| 0 - 250 | G | 0250 | P | ✓ | X | ✓ | X |
| 0 - 500 | G | 0500 | P | ✓ | X | ✓ | X |
| 0 - 1,000 | 0 | 1000 | P | ✓ | X | ✓ | X |
| 0 - 2,500 | 0 | 2500 | P | ✓ | X | ✓ | X |
| 0 - 5,000 | 0 | 5000 | P | ✓ | X | ✓ | X |
| 0 - 7,500 | 0 | 7500 | P | ✓ | X | ✓ | X |
| 0 - 10,000 | 1 | 0000 | P | ✓ | X | ✓ | X |
| 0 - 15,000 | 1 | 5000 | P | X | ✓ | ✓ | X |
| 0 - 20,000 | 2 | 0000 | P | X | X | X | ✓ |

Inconel Bar

| Pressure Range | Pressure Reference | Pressure Range Code | BAR Unit | Process Connection Code | | | |
|----------------|--------------------|---------------------|----------|-------------------------|---|---|---|
| | | | | A | I | P | W |
| -1 to 2 | V | 0002 | B | ✓ | X | ✓ | X |
| -1 to 5 | V | 0005 | B | ✓ | X | ✓ | X |
| -1 to 7 | V | 0007 | B | ✓ | X | ✓ | X |
| -1 to 10 | V | 0010 | B | ✓ | X | ✓ | X |
| -1 to 20 | V | 0020 | B | ✓ | X | ✓ | X |
| 0 - 2 | G | 0002 | B | ✓ | X | ✓ | X |
| 0 - 5 | G | 0005 | B | ✓ | X | ✓ | X |
| 0 - 7 | G | 0007 | B | ✓ | X | ✓ | X |
| 0 - 10 | G | 0010 | B | ✓ | X | ✓ | X |
| 0 - 20 | G | 0020 | B | ✓ | X | ✓ | X |
| 0 - 35 | G | 0035 | B | ✓ | X | ✓ | X |
| 0 - 50 | G | 0050 | B | ✓ | X | ✓ | X |
| 0 - 100 | 0 | 0100 | B | ✓ | X | ✓ | X |
| 0 - 250 | 0 | 0250 | B | ✓ | X | ✓ | X |
| 0 - 350 | 0 | 0350 | B | ✓ | X | ✓ | X |
| 0 - 500 | 0 | 0500 | B | ✓ | X | ✓ | X |
| 0 - 700 | 0 | 0700 | B | ✓ | X | ✓ | X |
| 0 - 1,000 | 0 | 1000 | B | X | X | ✓ | X |

INDUSTRIAL OEM

AST46HA Pressure Transmitter

Hastelloy PSI

| Pressure Range | Pressure Reference | Pressure Range Code | PSI Unit | Process Connection Code | | | |
|----------------|--------------------|---------------------|----------|-------------------------|---|---|---|
| | | | | A | I | P | W |
| 0 - 1 | G | 0001 | P | X | X | ✓ | X |
| 0 - 10 | G | 0010 | P | X | X | ✓ | X |
| 0 - 15 | G | 0015 | P | X | X | ✓ | X |
| -14.7 - 25 | V | 0025 | P | ✓ | X | ✓ | X |
| -14.7 - 50 | V | 0050 | P | ✓ | X | ✓ | X |
| -14.7 - 100 | V | 0100 | P | ✓ | X | ✓ | X |
| -14.7 - 150 | V | 0150 | P | ✓ | X | ✓ | X |
| -14.7 - 200 | V | 0200 | P | ✓ | X | ✓ | X |
| -14.7 - 250 | V | 0250 | P | ✓ | X | ✓ | X |
| -14.7 - 500 | V | 0500 | P | ✓ | X | ✓ | X |
| 0 - 25 | G | 0025 | P | ✓ | X | ✓ | X |
| 0 - 50 | G | 0050 | P | ✓ | X | ✓ | X |
| 0 - 100 | G | 0100 | P | ✓ | X | ✓ | X |
| 0 - 150 | G | 0150 | P | ✓ | X | ✓ | X |
| 0 - 200 | G | 0200 | P | ✓ | X | ✓ | X |
| 0 - 250 | G | 0250 | P | ✓ | X | ✓ | X |
| 0 - 500 | G | 0500 | P | ✓ | X | ✓ | X |
| 0 - 1,000 | 0 | 1000 | P | ✓ | X | ✓ | X |
| 0 - 2,500 | 0 | 2500 | P | ✓ | X | ✓ | X |
| 0 - 5,000 | 0 | 5000 | P | ✓ | X | ✓ | X |
| 0 - 7,500 | 0 | 7500 | P | ✓ | X | ✓ | X |
| 0 - 10,000 | 1 | 0000 | P | ✓ | X | ✓ | X |
| 0 - 15,000 | 1 | 5000 | P | X | X | ✓ | X |

Hastelloy Bar

| Pressure Range | Pressure Reference | Pressure Range Code | BAR Unit | Process Connection Code | | | |
|----------------|--------------------|---------------------|----------|-------------------------|---|---|---|
| | | | | A | I | P | W |
| -1 to 2 | V | 0002 | B | ✓ | X | ✓ | X |
| -1 to 5 | V | 0005 | B | ✓ | X | ✓ | X |
| -1 to 7 | V | 0007 | B | ✓ | X | ✓ | X |
| -1 to 10 | V | 0010 | B | ✓ | X | ✓ | X |
| -1 to 20 | V | 0020 | B | ✓ | X | ✓ | X |
| 0 - 2 | G | 0002 | B | ✓ | X | ✓ | X |
| 0 - 5 | G | 0005 | B | ✓ | X | ✓ | X |
| 0 - 7 | G | 0007 | B | ✓ | X | ✓ | X |
| 0 - 10 | G | 0010 | B | ✓ | X | ✓ | X |
| 0 - 20 | G | 0020 | B | ✓ | X | ✓ | X |
| 0 - 35 | G | 0035 | B | ✓ | X | ✓ | X |
| 0 - 50 | G | 0050 | B | ✓ | X | ✓ | X |
| 0 - 100 | 0 | 0100 | B | ✓ | X | ✓ | X |
| 0 - 250 | 0 | 0250 | B | ✓ | X | ✓ | X |
| 0 - 350 | 0 | 0350 | B | ✓ | X | ✓ | X |
| 0 - 500 | 0 | 0500 | B | ✓ | X | ✓ | X |
| 0 - 700 | 0 | 0700 | B | ✓ | X | ✓ | X |
| 0 - 1,000 | 0 | 1000 | B | X | X | ✓ | X |

*See Ordering Information for list of options.
**Must be orderd in inches H₂O

INDUSTRIAL OEM

AST46HA Pressure Transmitter

Ordering Information

| | | | | | | | | | | |
|---------|---|---|------|---|---|---|---|---|-----|----|
| AST46HA | A | 1 | 0000 | P | 3 | T | 1 | H | 000 | -Z |
|---------|---|---|------|---|---|---|---|---|-----|----|

Process Connection
A= 1/4" NPT Male
I= 1/4" NPT Female
P= 1/2" NPT Male
W= F250C Female Autoclave

Pressure Reference
G= Gauge Pressure
V= Gauge Pressure (Vacuum Calibrated)
0= Sealed Gauge (Up to 9,999 PSI)
1= Sealed Gauge (10,000 to 19,999 PSI)
2= Sealed Gauge (20,000 PSI Only)

Pressure Range
Insert Pressure Range Code (see table for availability)

Pressure Unit
B= Bar P= PSI

Output
1= 0.5-4.5V ratiometric
2= 0-5V (3 wire)
3= 1-5V (3 wire + case connection)
4= 4-20mA (loop powered + case connection)
5= 0-10V (3 wire)
6= 1-6V (3 wire + case connection)
G= 1-10V

Electrical Connection
T= 2ft. 18 AWG wires U= 4ft. 18 AWG wires W= 2 Meter 18 AWG wires

Wetted Material
0= 17-4PH 1= 316L 2= Inconel 718 4= Hastelloy C276

Failure State
H= High L= Low N= None

Option Codes
000= No Options

Approval Type

| | |
|-------------|--|
| Leave Blank | Class I Div I, Groups A, B, C and D; Ex d IIC T5 Gb Class 1, Zone 1, AEx d IIC T5 Gb (For Pressure Range Code 0, 1 and 2) |
| | Class II, Div. I, Groups E, F and G Ex tb IIIC T100 Db Zone 21, AEx tb IIIC T100 Db (For Pressure Range Code G and V) |
| | All configurations are ANSI/ISA 12.27.01 Single Seal Approved |
| -Z | CRN Registered to ANSI/ASME B31.3. in addition to standard configuration approvals |

Notes: CSA approved products require case/earth ground electrical connection. See Dimensions and Electrical Connection Section for wiring details.

NORTH AMERICA

American Sensor Technologies, Inc. (AST),
a TE Connectivity Company
Tel: 800-522-6752
Email: customercare.molive@te.com

ASIA

Hong Kong Sensor Technologies (HKST),
a TE Connectivity Company
Tel: 0400-820-6015
Email: customercare.shzn@te.com

TE.com/sensors

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