



## INDUSTRIAL Pressure Transducer AST2000

### Overview

The AST2000 is an ASIC-compensated, high quality, stainless steel industrial pressure transducer designed for use in the measurement of liquids and gases. Intended for mid to high volume applications requiring excellent performance, the AST2000 succeeds by offering highly competitive pricing.

### Benefits

- Fully Welded Stainless Steel Housing
- No Oil Fill, Welds, or Internal O-rings
- Wide Operating Temperature
- Compatible with Liquids and Gases
- Rugged, Compact Design
- Pressures up to 10,000 PSI
- High Shock and Vibration
- EMI/RFI Protection

### Applications

- Industrial OEM Equipment
- Hydraulic Systems
- HVAC Equipment
- Refrigeration Equipment
- Automotive
- Energy / Water Management
- Test Stands
- Off-Road / Construction Equipment
- Railways (Braking, Compressor & Engine Controls)

**Environmental Data**

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

|                          |                             |
|--------------------------|-----------------------------|
| <b>Operating Ambient</b> | -40 to 125°C (-40 to 250°F) |
| <b>Storage</b>           | -40 to 125°C (-40 to 250°F) |

**Electromagnetic Compatibility (EMC)**

| Standard    | Description                                  | Test Value  |
|-------------|--|---|
| EN55011     | Radiated Emissions                           | Class A, 30-1000 MHz  |
| EN61000-4-2 | Electrostatic Discharge Immunity             | ±8 kV Air Discharge<br>±4 kV Contact Discharge, VCP, HCP                                    |
| EN61000-4-3 | Radiated Electromagnetic Field Immunity      | 10V/m, 80-2700 MHz 80% 1kHz AM Modulation   |
| EN61000-4-4 | Electrical Fast Transient/Burst Immunity     | ±0.5 kV, ±1 kV, ±2 kV on DC Mains<br>±0.5 kV, ±1 kV on I/O Ports                            |
| EN61000-4-5 | Surge Immunity                               | ±0.5 kV, ±1 kV, on I/O Ports & DC Lines   |
| EN61000-4-6 | Conducted immunity                           | 10V rms, 0.15-80 MHz, DC Mains<br>10V rms, 0.15-80 MHz, I/O Ports<br>80% 1kHz AM Modulation |
| EN61000-4-8 | Power Frequency Magnetic Field Immunity Test | 30 A/m @ (50Hz, 60Hz) 3 orthogonal orientations   |

**Shock, Vibration & Ingress Protection (IP)**

| Standard       | Description          | Test Value  |
|----------------|----------------------|---|
| EN 60067-2-27  | Shock Test           | 500m/s <sup>2</sup> , 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 <sup>2</sup> ) <sup>2</sup> /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-66          | 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                | -0.25      |  | +0.25 | %Span   | 1     |
| Zero Error              | -0.5       |  | +0.5  | %Span   | 2     |
| Zero Error (4-20mA)     | -1.0       |  | +1.0  | %Span   | 2     |
| Span Error              | -1.0       |  | +1.0  | %Span   | 3     |
| Thermal Error, Zero     | -1.0       |  | +1.0  | %Span   | 4     |
| Thermal Error, Span     | -1.0       |  | +1.0  | %Span   | 5     |
| Stability (1 year)      |            | ±0.25  |       | %Span   |       |
| Proof Pressure          |            | 2X Rated Pressure                                  |       | PSI     | 6     |
| Burst Pressure          |            | 5X Rated Pressure or<br>20,000 (whichever is less) |       | PSI     | 7     |
| Pressure Cycles         | 10 Million |  |       | Cycles  |       |
| Compensated Temp. Range |            | 0 - 55° (32 to 132°)                               |       | °C (°F) |       |

## Electrical Data

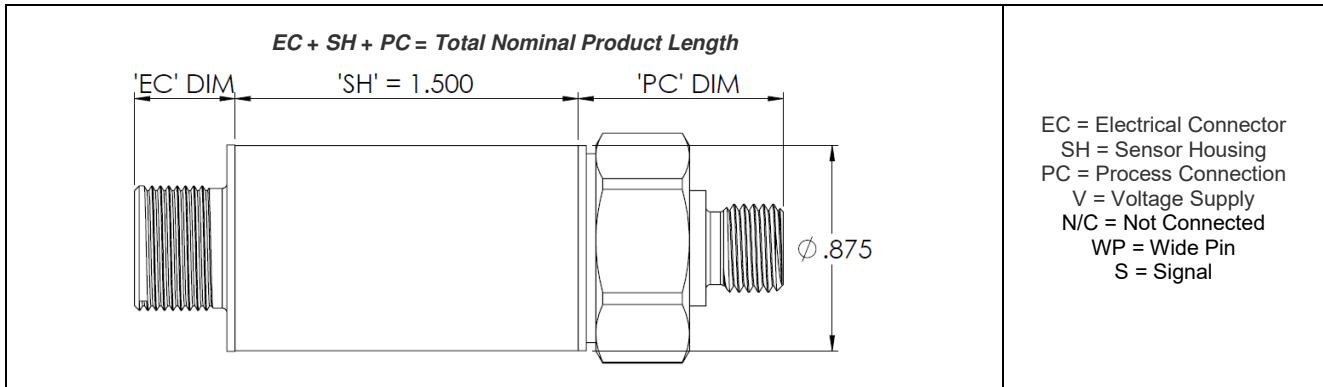
| Model                       | AST2000   |            |                      |
|-----------------------------|-----------|------------|----------------------|
| Output                      | 4-20mA    | 1-5V, 1-6V | 0.5-4.5V Ratiometric |
| Excitation                  | 10-28VDC  | 10-28VDC   | 5.0 ± 0.5VDC         |
| Output Impedance            | <10k Ω    | < 100 Ω    | < 100 Ω              |
| Current Consumption         | -         | <10mA      | <10mA                |
| Output Noise                | -         | <2mV RMS   | <2mV RMS             |
| Output Load                 | 0-800Ω    | 10k Ω Min. | 10k Ω Min.           |
| Reverse Polarity Protection | Yes       | Yes        | Yes                  |
| Bandwidth                   | DC-250 Hz | DC-1kHz    | DC-1kHz              |

## 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.

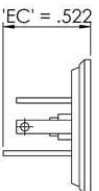
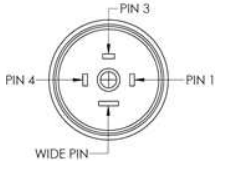
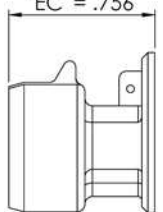
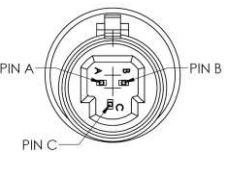
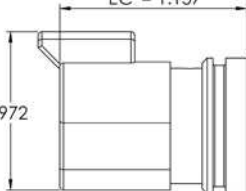
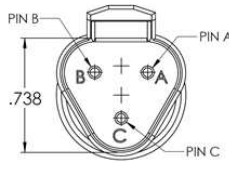
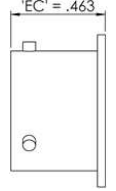
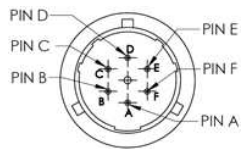
**Dimensions & Electrical Connection**

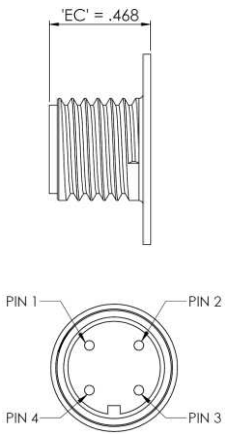
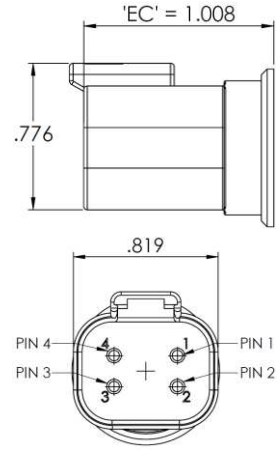
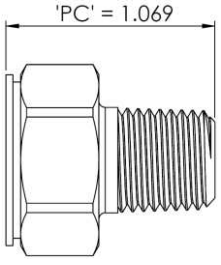
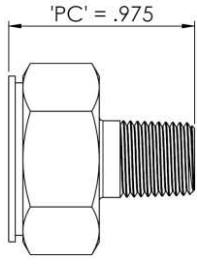
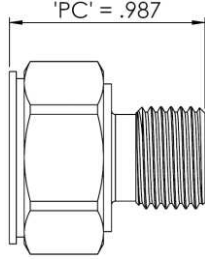
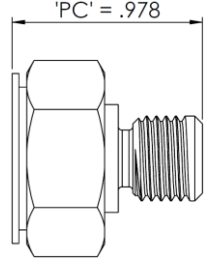
Unless otherwise specified, all dimensions are in inches



EC = Electrical Connector  
 SH = Sensor Housing  
 PC = Process Connection  
 V = Voltage Supply  
 N/C = Not Connected  
 WP = Wide Pin  
 S = Signal

**Electrical Connectors Option Codes**

| Electrical Connectors Option Codes  |   |   |   |   |   |     |   |     |    |   |    |    |    |     |     |  |     |                |        |   |     |    |   |    |    |   |   |     |  |     |                |        |   |    |    |   |     |    |   |   |     |  |     |                |        |   |    |    |   |   |    |   |     |     |   |     |     |   |     |     |   |     |     |
|---|---|---|---|---|---|-----|---|-----|----|---|----|----|----|-----|-----|--|-----|----------------|--------|---|-----|----|---|----|----|---|---|-----|--|-----|----------------|--------|---|----|----|---|-----|----|---|---|-----|--|-----|----------------|--------|---|----|----|---|---|----|---|-----|-----|---|-----|-----|---|-----|-----|---|-----|-----|
| <b>E</b><br>DIN 43650C 8.0mm (Mini-DIN)   | <b>F</b><br>Packard Metripack, 150  | <b>K</b><br>Deutsch, DT04-3P  | <b>R</b><br>6 Pin Bendix  |   |   |     |   |     |    |   |    |    |    |     |     |  |     |                |        |   |     |    |   |    |    |   |   |     |  |     |                |        |   |    |    |   |     |    |   |   |     |  |     |                |        |   |    |    |   |   |    |   |     |     |   |     |     |   |     |     |   |     |     |
| <br>   | <br> | <br> | <br> |   |   |     |   |     |    |   |    |    |    |     |     |  |     |                |        |   |     |    |   |    |    |   |   |     |  |     |                |        |   |    |    |   |     |    |   |   |     |  |     |                |        |   |    |    |   |   |    |   |     |     |   |     |     |   |     |     |   |     |     |
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| Pin   | 3 Wire Voltage  | 4-20mA  |   |   |   |     |   |     |    |   |    |    |    |     |     |  |     |                |        |   |     |    |   |    |    |   |   |     |  |     |                |        |   |    |    |   |     |    |   |   |     |  |     |                |        |   |    |    |   |   |    |   |     |     |   |     |     |   |     |     |   |     |     |
| 1   | S   | N/C   |   |   |   |     |   |     |    |   |    |    |    |     |     |  |     |                |        |   |     |    |   |    |    |   |   |     |  |     |                |        |   |    |    |   |     |    |   |   |     |  |     |                |        |   |    |    |   |   |    |   |     |     |   |     |     |   |     |     |   |     |     |
| 2   | GND   | -V  |   |   |   |     |   |     |    |   |    |    |    |     |     |  |     |                |        |   |     |    |   |    |    |   |   |     |  |     |                |        |   |    |    |   |     |    |   |   |     |  |     |                |        |   |    |    |   |   |    |   |     |     |   |     |     |   |     |     |   |     |     |
| 3   | +V  | +V  |   |   |   |     |   |     |    |   |    |    |    |     |     |  |     |                |        |   |     |    |   |    |    |   |   |     |  |     |                |        |   |    |    |   |     |    |   |   |     |  |     |                |        |   |    |    |   |   |    |   |     |     |   |     |     |   |     |     |   |     |     |
| WP  | N/C   | N/C   |   |   |   |     |   |     |    |   |    |    |    |     |     |  |     |                |        |   |     |    |   |    |    |   |   |     |  |     |                |        |   |    |    |   |     |    |   |   |     |  |     |                |        |   |    |    |   |   |    |   |     |     |   |     |     |   |     |     |   |     |     |
| Pin   | 3 Wire Voltage  | 4-20mA  |   |   |   |     |   |     |    |   |    |    |    |     |     |  |     |                |        |   |     |    |   |    |    |   |   |     |  |     |                |        |   |    |    |   |     |    |   |   |     |  |     |                |        |   |    |    |   |   |    |   |     |     |   |     |     |   |     |     |   |     |     |
| A   | GND   | -V  |   |   |   |     |   |     |    |   |    |    |    |     |     |  |     |                |        |   |     |    |   |    |    |   |   |     |  |     |                |        |   |    |    |   |     |    |   |   |     |  |     |                |        |   |    |    |   |   |    |   |     |     |   |     |     |   |     |     |   |     |     |
| B   | +V  | +V  |   |   |   |     |   |     |    |   |    |    |    |     |     |  |     |                |        |   |     |    |   |    |    |   |   |     |  |     |                |        |   |    |    |   |     |    |   |   |     |  |     |                |        |   |    |    |   |   |    |   |     |     |   |     |     |   |     |     |   |     |     |
| C   | S   | N/C   |   |   |   |     |   |     |    |   |    |    |    |     |     |  |     |                |        |   |     |    |   |    |    |   |   |     |  |     |                |        |   |    |    |   |     |    |   |   |     |  |     |                |        |   |    |    |   |   |    |   |     |     |   |     |     |   |     |     |   |     |     |
| Pin   | 3 Wire Voltage  | 4-20mA  |   |   |   |     |   |     |    |   |    |    |    |     |     |  |     |                |        |   |     |    |   |    |    |   |   |     |  |     |                |        |   |    |    |   |     |    |   |   |     |  |     |                |        |   |    |    |   |   |    |   |     |     |   |     |     |   |     |     |   |     |     |
| A   | +V  | +V  |   |   |   |     |   |     |    |   |    |    |    |     |     |  |     |                |        |   |     |    |   |    |    |   |   |     |  |     |                |        |   |    |    |   |     |    |   |   |     |  |     |                |        |   |    |    |   |   |    |   |     |     |   |     |     |   |     |     |   |     |     |
| B   | GND   | -V  |   |   |   |     |   |     |    |   |    |    |    |     |     |  |     |                |        |   |     |    |   |    |    |   |   |     |  |     |                |        |   |    |    |   |     |    |   |   |     |  |     |                |        |   |    |    |   |   |    |   |     |     |   |     |     |   |     |     |   |     |     |
| C   | S   | N/C   |   |   |   |     |   |     |    |   |    |    |    |     |     |  |     |                |        |   |     |    |   |    |    |   |   |     |  |     |                |        |   |    |    |   |     |    |   |   |     |  |     |                |        |   |    |    |   |   |    |   |     |     |   |     |     |   |     |     |   |     |     |
| Pin   | 3 Wire Voltage  | 4-20mA  |   |   |   |     |   |     |    |   |    |    |    |     |     |  |     |                |        |   |     |    |   |    |    |   |   |     |  |     |                |        |   |    |    |   |     |    |   |   |     |  |     |                |        |   |    |    |   |   |    |   |     |     |   |     |     |   |     |     |   |     |     |
| A   | +V  | +V  |   |   |   |     |   |     |    |   |    |    |    |     |     |  |     |                |        |   |     |    |   |    |    |   |   |     |  |     |                |        |   |    |    |   |     |    |   |   |     |  |     |                |        |   |    |    |   |   |    |   |     |     |   |     |     |   |     |     |   |     |     |
| B   | S   | -V  |   |   |   |     |   |     |    |   |    |    |    |     |     |  |     |                |        |   |     |    |   |    |    |   |   |     |  |     |                |        |   |    |    |   |     |    |   |   |     |  |     |                |        |   |    |    |   |   |    |   |     |     |   |     |     |   |     |     |   |     |     |
| C   | N/C   | N/C   |   |   |   |     |   |     |    |   |    |    |    |     |     |  |     |                |        |   |     |    |   |    |    |   |   |     |  |     |                |        |   |    |    |   |     |    |   |   |     |  |     |                |        |   |    |    |   |   |    |   |     |     |   |     |     |   |     |     |   |     |     |
| D   | GND   | N/C   |   |   |   |     |   |     |    |   |    |    |    |     |     |  |     |                |        |   |     |    |   |    |    |   |   |     |  |     |                |        |   |    |    |   |     |    |   |   |     |  |     |                |        |   |    |    |   |   |    |   |     |     |   |     |     |   |     |     |   |     |     |
| E   | N/C   | N/C   |   |   |   |     |   |     |    |   |    |    |    |     |     |  |     |                |        |   |     |    |   |    |    |   |   |     |  |     |                |        |   |    |    |   |     |    |   |   |     |  |     |                |        |   |    |    |   |   |    |   |     |     |   |     |     |   |     |     |   |     |     |
| F   | N/C   | N/C   |   |   |   |     |   |     |    |   |    |    |    |     |     |  |     |                |        |   |     |    |   |    |    |   |   |     |  |     |                |        |   |    |    |   |     |    |   |   |     |  |     |                |        |   |    |    |   |   |    |   |     |     |   |     |     |   |     |     |   |     |     |

| Electrical Connectors Option Codes (Cont'd)  |   |  |   |        |   |    |    |   |     |     |   |     |    |   |   |     |   |  |     |                |        |   |    |    |   |     |    |   |   |     |   |     |     |
|--|---|--|---|--------|---|----|----|---|-----|-----|---|-----|----|---|---|-----|---|--|-----|----------------|--------|---|----|----|---|-----|----|---|---|-----|---|-----|-----|
| Y<br>M12X1   |   | Z<br>Deutsch, DT04-4P  |   |        |   |    |    |   |     |     |   |     |    |   |   |     |   |  |     |                |        |   |    |    |   |     |    |   |   |     |   |     |     |
|   |   |    |   |        |   |    |    |   |     |     |   |     |    |   |   |     |   |  |     |                |        |   |    |    |   |     |    |   |   |     |   |     |     |
| <table border="1" data-bbox="341 829 625 945"> <thead> <tr> <th>Pin</th> <th>3 Wire Voltage</th> <th>4-20mA</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>+V</td> <td>+V</td> </tr> <tr> <td>2</td> <td>N/C</td> <td>N/C</td> </tr> <tr> <td>3</td> <td>GND</td> <td>-V</td> </tr> <tr> <td>4</td> <td>S</td> <td>N/C</td> </tr> </tbody> </table> |   | Pin  | 3 Wire Voltage  | 4-20mA | 1 | +V | +V | 2 | N/C | N/C | 3 | GND | -V | 4 | S | N/C | <table border="1" data-bbox="990 840 1291 955"> <thead> <tr> <th>Pin</th> <th>3 Wire Voltage</th> <th>4-20mA</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>+V</td> <td>+V</td> </tr> <tr> <td>2</td> <td>GND</td> <td>-V</td> </tr> <tr> <td>3</td> <td>S</td> <td>N/C</td> </tr> <tr> <td>4</td> <td>N/C</td> <td>N/C</td> </tr> </tbody> </table> |  | Pin | 3 Wire Voltage | 4-20mA | 1 | +V | +V | 2 | GND | -V | 3 | S | N/C | 4 | N/C | N/C |
| Pin  | 3 Wire Voltage  | 4-20mA   |   |        |   |    |    |   |     |     |   |     |    |   |   |     |   |  |     |                |        |   |    |    |   |     |    |   |   |     |   |     |     |
| 1  | +V  | +V   |   |        |   |    |    |   |     |     |   |     |    |   |   |     |   |  |     |                |        |   |    |    |   |     |    |   |   |     |   |     |     |
| 2  | N/C   | N/C  |   |        |   |    |    |   |     |     |   |     |    |   |   |     |   |  |     |                |        |   |    |    |   |     |    |   |   |     |   |     |     |
| 3  | GND   | -V   |   |        |   |    |    |   |     |     |   |     |    |   |   |     |   |  |     |                |        |   |    |    |   |     |    |   |   |     |   |     |     |
| 4  | S   | N/C  |   |        |   |    |    |   |     |     |   |     |    |   |   |     |   |  |     |                |        |   |    |    |   |     |    |   |   |     |   |     |     |
| Pin  | 3 Wire Voltage  | 4-20mA   |   |        |   |    |    |   |     |     |   |     |    |   |   |     |   |  |     |                |        |   |    |    |   |     |    |   |   |     |   |     |     |
| 1  | +V  | +V   |   |        |   |    |    |   |     |     |   |     |    |   |   |     |   |  |     |                |        |   |    |    |   |     |    |   |   |     |   |     |     |
| 2  | GND   | -V   |   |        |   |    |    |   |     |     |   |     |    |   |   |     |   |  |     |                |        |   |    |    |   |     |    |   |   |     |   |     |     |
| 3  | S   | N/C  |   |        |   |    |    |   |     |     |   |     |    |   |   |     |   |  |     |                |        |   |    |    |   |     |    |   |   |     |   |     |     |
| 4  | N/C   | N/C  |   |        |   |    |    |   |     |     |   |     |    |   |   |     |   |  |     |                |        |   |    |    |   |     |    |   |   |     |   |     |     |
| Pressure Port Option Codes   |   |  |   |        |   |    |    |   |     |     |   |     |    |   |   |     |   |  |     |                |        |   |    |    |   |     |    |   |   |     |   |     |     |
| A<br>1/4 NPT Male  | B<br>1/8 NPT Male   | C<br>1/4 BSPP Male   | F<br>7/16 – 20 UNF Male   |        |   |    |    |   |     |     |   |     |    |   |   |     |   |  |     |                |        |   |    |    |   |     |    |   |   |     |   |     |     |
|   |  |  |  |        |   |    |    |   |     |     |   |     |    |   |   |     |   |  |     |                |        |   |    |    |   |     |    |   |   |     |   |     |     |

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

**Available Process Connection, Material Configurations & Pressure Codes**

**17-4PH PSI**

| Pressure Range | Pressure Range Code | PSI Unit | Process Connection Code |   |   |   |
|----------------|---------------------|----------|-------------------------|---|---|---|
|                |                     |          | A                       | B | C | F |
| -14.7 - 25     | V0025               | P        | ✓                       | X | ✓ | X |
| -14.7 - 50     | V0050               | P        | ✓                       | ✓ | ✓ | ✓ |
| -14.7 - 100    | V0100               | P        | ✓                       | ✓ | ✓ | ✓ |
| -14.7 - 150    | V0150               | P        | ✓                       | ✓ | ✓ | ✓ |
| -14.7 - 200    | V0200               | P        | ✓                       | ✓ | ✓ | ✓ |
| -14.7 - 250    | V0250               | P        | ✓                       | ✓ | ✓ | ✓ |
| -14.7 - 500    | V0500               | P        | ✓                       | ✓ | ✓ | ✓ |
| 0 - 25         | 00025               | P        | ✓                       | X | ✓ | X |
| 0 - 50         | 00050               | P        | ✓                       | ✓ | ✓ | ✓ |
| 0 - 100        | 00100               | P        | ✓                       | ✓ | ✓ | ✓ |
| 0 - 150        | 00150               | P        | ✓                       | ✓ | ✓ | ✓ |
| 0 - 200        | 00200               | P        | ✓                       | ✓ | ✓ | ✓ |
| 0 - 250        | 00250               | P        | ✓                       | ✓ | ✓ | ✓ |
| 0 - 500        | 00500               | P        | ✓                       | ✓ | ✓ | ✓ |
| 0 - 1,000      | 01000               | P        | ✓                       | ✓ | ✓ | ✓ |
| 0 - 2,500      | 02500               | P        | ✓                       | ✓ | ✓ | ✓ |
| 0 - 5,000      | 05000               | P        | ✓                       | ✓ | ✓ | ✓ |
| 0 - 7,500      | 07500               | P        | ✓                       | ✓ | ✓ | ✓ |
| 0 - 10,000     | 10000               | P        | ✓                       | ✓ | ✓ | ✓ |

**17-4PH Bar**

| Pressure Range | Pressure Range Code | BAR Unit | Process Connection Code |   |   |   |
|----------------|---------------------|----------|-------------------------|---|---|---|
|                |                     |          | A                       | B | C | F |
| -1 to 2        | V0002               | B        | ✓                       | ✓ | ✓ | ✓ |
| -1 to 5        | V0005               | B        | ✓                       | ✓ | ✓ | ✓ |
| -1 to 7        | V0007               | B        | ✓                       | ✓ | ✓ | ✓ |
| -1 to 10       | V0010               | B        | ✓                       | ✓ | ✓ | ✓ |
| -1 to 20       | V0020               | B        | ✓                       | ✓ | ✓ | ✓ |
| 0 - 2          | 00002               | B        | ✓                       | ✓ | ✓ | ✓ |
| 0 - 5          | 00005               | B        | ✓                       | ✓ | ✓ | ✓ |
| 0 - 7          | 00007               | B        | ✓                       | ✓ | ✓ | ✓ |
| 0 - 10         | 00010               | B        | ✓                       | ✓ | ✓ | ✓ |
| 0 - 20         | 00020               | B        | ✓                       | ✓ | ✓ | ✓ |
| 0 - 35         | 00035               | B        | ✓                       | ✓ | ✓ | ✓ |
| 0 - 50         | 00050               | B        | ✓                       | ✓ | ✓ | ✓ |
| 0 - 100        | 00100               | B        | ✓                       | ✓ | ✓ | ✓ |
| 0 - 250        | 00250               | B        | ✓                       | ✓ | ✓ | ✓ |
| 0 - 350        | 00350               | B        | ✓                       | ✓ | ✓ | ✓ |
| 0 - 500        | 00500               | B        | ✓                       | ✓ | ✓ | ✓ |
| 0 - 700        | 00700               | B        | ✓                       | ✓ | ✓ | ✓ |

**316L PSI**

| Pressure Range | Pressure Range Code | PSI Unit | Process Connection Code |   |   |   |
|----------------|---------------------|----------|-------------------------|---|---|---|
|                |                     |          | A                       | B | C | W |
| -14.7 - 25     | V0025               | P        | ✓                       | X | ✓ | X |
| -14.7 - 50     | V0050               | P        | ✓                       | X | ✓ | ✓ |
| -14.7 - 100    | V0100               | P        | ✓                       | X | ✓ | ✓ |
| -14.7 - 150    | V0150               | P        | ✓                       | X | ✓ | ✓ |
| -14.7 - 200    | V0200               | P        | ✓                       | X | ✓ | ✓ |
| -14.7 - 250    | V0250               | P        | ✓                       | X | ✓ | ✓ |
| -14.7 - 500    | V0500               | P        | ✓                       | X | ✓ | ✓ |
| 0 - 25         | 00025               | P        | ✓                       | X | ✓ | X |
| 0 - 50         | 00050               | P        | ✓                       | X | ✓ | ✓ |
| 0 - 100        | 00100               | P        | ✓                       | X | ✓ | ✓ |
| 0 - 150        | 00150               | P        | ✓                       | X | ✓ | ✓ |
| 0 - 200        | 00200               | P        | ✓                       | X | ✓ | ✓ |
| 0 - 250        | 00250               | P        | ✓                       | X | ✓ | ✓ |
| 0 - 500        | 00500               | P        | ✓                       | X | ✓ | ✓ |
| 0 - 1,000      | 01000               | P        | ✓                       | X | ✓ | ✓ |
| 0 - 2,500      | 02500               | P        | ✓                       | X | ✓ | ✓ |
| 0 - 5,000      | 05000               | P        | ✓                       | X | ✓ | ✓ |
| 0 - 7,500      | 07500               | P        | ✓                       | X | ✓ | ✓ |
| 0 - 10,000     | 10000               | P        | ✓                       | X | ✓ | ✓ |
| 0 - 15,000     | 15000               | P        | ✓                       | X | ✓ | ✓ |
| 0 - 20,000     | 20000               | P        | ✓                       | X | ✓ | ✓ |

**316L Bar**

| Pressure Range | Pressure Range Code | BAR Unit | Process Connection Code |   |   |   |
|----------------|---------------------|----------|-------------------------|---|---|---|
|                |                     |          | A                       | B | C | F |
| -1 to 2        | V0002               | B        | ✓                       | X | ✓ | ✓ |
| -1 to 5        | V0005               | B        | ✓                       | X | ✓ | ✓ |
| -1 to 7        | V0007               | B        | ✓                       | X | ✓ | ✓ |
| -1 to 10       | V0010               | B        | ✓                       | X | ✓ | ✓ |
| -1 to 20       | V0020               | B        | ✓                       | X | ✓ | ✓ |
| 0 - 2          | 00002               | B        | ✓                       | X | ✓ | ✓ |
| 0 - 5          | 00005               | B        | ✓                       | X | ✓ | ✓ |
| 0 - 7          | 00007               | B        | ✓                       | X | ✓ | ✓ |
| 0 - 10         | 00010               | B        | ✓                       | X | ✓ | ✓ |
| 0 - 20         | 00020               | B        | ✓                       | X | ✓ | ✓ |
| 0 - 35         | 00035               | B        | ✓                       | X | ✓ | ✓ |
| 0 - 50         | 00050               | B        | ✓                       | X | ✓ | ✓ |
| 0 - 100        | 00100               | B        | ✓                       | X | ✓ | ✓ |
| 0 - 250        | 00250               | B        | ✓                       | X | ✓ | ✓ |
| 0 - 350        | 00350               | B        | ✓                       | X | ✓ | ✓ |
| 0 - 500        | 00500               | B        | ✓                       | X | ✓ | ✓ |
| 0 - 700        | 00700               | B        | ✓                       | X | ✓ | ✓ |

\*See Ordering Information for list of options.

**Ordering Information**

|  |          |              |          |          |          |          |            |
|--|----------|--------------|----------|----------|----------|----------|------------|
| <b>AST2000</b>   | <b>A</b> | <b>00500</b> | <b>P</b> | <b>4</b> | <b>E</b> | <b>0</b> | <b>000</b> |
| <b>Process Connection</b><br>A= 1/4" NPT Male<br>B= 1/8" NPT Male<br>C= 1/4" BSPP Male<br>F= 7/16 - 20 UNF Male  |          |              |          |          |          |          |            |
| <b>Pressure Range</b><br>Insert Pressure Range Code (see table for availability)   |          |              |          |          |          |          |            |
| <b>Pressure Unit</b><br>B=Bar P=PSI  |          |              |          |          |          |          |            |
| <b>Output</b><br>1= 0,5-4,5V ratiometric<br>3= 1-5V<br>4= 4-20mA (2 wire loop powered)<br>6= 1-6V  |          |              |          |          |          |          |            |
| <b>Electrical Connection</b><br>E= Mini DIN 43650<br>F= Packard Metripack 150 3-Pin<br>K= Deutsch DT04-3 Pin<br>R= 6- Pin Bendix<br>Y= M12x1 Eurofast<br>Z= Deutsch DT04-4 Pin |          |              |          |          |          |          |            |
| <b>Wetted Material</b><br>0= 17-4PH 1= 316L  |          |              |          |          |          |          |            |
| <b>Option Codes</b><br>000= No Options   |          |              |          |          |          |          |            |

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