The AST44LP series low pressure IS pressure transducer is the solution for low pressure measurement in Intrinsically Safe areas.

The AST44LP series low pressure IS pressure transducer’s stainless steel design and wide variety of options make it an effective solution for low pressure measurement in Intrinsically Safe areas.

Sensor Type: Intrinsically Safe Pressure Transducer
Pressure Range: 0 - 1 to 15 psi
Output/Span: 1 - 5 V, 1 - 6 V, 4 - 20 mA
Type: Absolute, Bi-Directional, Gage
Accuracy: ±0.25% FSO

The AST44LP series low pressure IS pressure transducer, with its rugged construction and best price-to-performance ratio in the industry, is the solution for low pressure measurement in Intrinsically Safe areas.

Benefits
- Class I Div 1 Intrinsically Safe Groups C, D when installed with an approved barrier
- ATEX / IECEx: Ex ia IIB T4 Ga (Ta = -40°C to +80°C)
- High Strength Stainless Steel Construction
- No Internal O-rings
- Wide Operating Temperature
- Pressures from 0-1 to 0-15 PSI
- Low Static and Thermal Errors
Low Pressure IS Pressure Transducer

TE Model #: AST44LP
TE Internal #: CAT-PTT0047

- Unparalleled Price and Performance
- Compatible with Wide Variety of Liquids and Gases

Resources

Bi-Directional Pressure Transducers
Learn how to measure bi-directional pressure with pressure transducers.

Externally Mounted Pressure Transducers for Tank Level
Learn how low pressure transducers can be used to monitor liquid level in tanks.

Voltage Output Pressure Transducer Comparison
Learn about various voltage output signals and how they are suitable for pressure transducers.

Applications

- Industrial OEM Equipment
- HVAC/R Equipment
- Water Management and External Tank Levels
- Control Panels
- Pneumatics and Hydraulic Systems
- Vapor Recovery
- Data Loggers

Features

Product Type Features

<table>
<thead>
<tr>
<th>Sensor Type</th>
<th>Intrinsically Safe Pressure Transducer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>Absolute, Bi-Directional, Gage</td>
</tr>
</tbody>
</table>

Configuration Features

<table>
<thead>
<tr>
<th>Electrical Connection</th>
<th>6 Pin Bendix PT06A, Cable 10 ft, Cable 2 ft, Cable 4 ft, Cable 6 ft, DIN 43650A, Deutsch DT04-3P, Deutsch DT04-4P, M12x1, Mini-DIN 43650C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pressure Port/Fitting</td>
<td>1/2 MNPT, 1/4 FNPT, 1/4 MNPT, 1/8 MNPT</td>
</tr>
</tbody>
</table>
## Low Pressure IS Pressure Transducer

**TE Model #:** AST44LP  
**TE Internal #:** CAT-PTT0047

### Supply Voltage (V)

| Supply Voltage (V) | 10 - 28 |

### Body Features

| Port Material      | 316L, Alloy C276 |

### Usage Conditions

| Operating Temperature Range (°C) | -40 - 80 |
| Operating Temperature Range (°F) | -40 - 176 |

### Operation/Application

| Overpressure | 2X, Min |
| Pressure Range | 0 - 1 to 15 psi |
| Output/Span | 1 - 5 V, 1 - 6 V, 4 - 20 mA |
| Accuracy | ±0.25% FSO |

### Other

| Options | Conduit With Cable, Increased Proof Pressure, Snubber |

### Related Materials

#### Data Sheet

**AST44LP-C1D1-Low-Pressure-Transmitter**  
**English**

#### Agency Approval Document

**IECEx CSA 14.0037X Issue 1**  
**English**

**DNVGL-CERTIFICATE-TAA0000073**  
**English**

**CSA_Certificate-of-Compliance_70179036**  
**English**

**Sira Cert 14ATEX2110X Issue 3**  
**English**

**American Bureau of Shipping (ABS) Product Type Approval-Hazardous Location**  
**English**

#### Specification Or Standard

**Installation/Wiring Document for AST Pressure Sensors**  
**English**

**Operating Instructions Intrinsically Safe**  
**English**

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For support call +1 800 522 6752  
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Low Pressure IS Pressure Transducer
TE Model #: AST44LP
TE Internal #: CAT-PTT0047

Agreement Approval Document
CSA-SIRA Variation Report for ATEX and IECEx

Also in the Series | AST44LP

Pressure Transducers (1)