The new AST2000H2 series hydrogen pressure transducer combines the best mechanical design for hydrogen measurement with high performance digital compensation.

Sensors > Pressure Sensors > Pressure Transducers

The new AST2000H2 series hydrogen pressure transducer combines the best mechanical design for hydrogen measurement with high performance digital compensation.

Sensor Type: Industrial Pressure Transducers
Pressure Range: 0 - 290 to 13053 psi
Output/Span: .5 - 4.5 V
Type: Compound, Gage, Sealed
Accuracy: ±0.5% FSO

Now tested to a variety of hydrogen and automotive standards, TE’s HYDROGEN series introduces the new AST2000H2 series hydrogen pressure transducer, which combines high quality mechanical design for hydrogen measurement with high performance digital compensation for increased effectiveness.

Benefits
- One piece design
- All 316L wetted material for optimal compatibility
- No oil-filled cavities leave no chance of containment
- Non-welded diaphragm eliminates leak paths and weak points
- Digitally compensated
- Krystal Bond™ Technology
Applications
- PEM Fuel Cells
- Hydrogen Storage
- Hydrogen Filling Stations
- Test Stands
- Back Up Power

Features

Product Type Features

<table>
<thead>
<tr>
<th>Sensor Type</th>
<th>Industrial Pressure Transducers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>Compound, Gage, Sealed</td>
</tr>
</tbody>
</table>

Configuration Features

<table>
<thead>
<tr>
<th>Electrical Connection</th>
<th>Packard Metripack 150</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pressure Port/Fitting</td>
<td>1/2-20 UNF Male, 3/8-24 UNF Male, 7/16-20 UNF Male</td>
</tr>
</tbody>
</table>

Electrical Characteristics

| Supply Voltage (V) | 4.75 - 5.25 |

Body Features

| Port Material | 316L |

Usage Conditions

<table>
<thead>
<tr>
<th>Operating Temperature Range (°C)</th>
<th>-40 - 125, -40 - 125</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Temperature Range (°F)</td>
<td>-40 - 257, -40 - 257</td>
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</table>

Operation/Application

<table>
<thead>
<tr>
<th>Overpressure</th>
<th>2X, Min</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pressure Range</td>
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<td>Accuracy</td>
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</table>

Related Materials

Data Sheet
AST2000/4000 H2 Datasheet
English
Hydrogen Pressure Transducer
TE Model #: AST2000H2
TE Internal #: CAT-PTT0036

Agency Approval Document
EC79 NSAI EC Type-Approval Certificate
English

Instruction Sheets
Installation / Wiring Guide
English

Also in the Series | AST2000

Pressure Transducers(2)