# AST46PT1AG0005B5W0L000 ✔ ACTIVE

AST | AST46PT

TE Internal #: 20014557-00

Industrial Pressure Transducer, Gauge, 0 – 10 V Output Signal, 2X, Min Proof Pressure Range, AST46PT

View on TE.com >

Sensors > Pressure Sensors > Pressure Transducers > Explosion-Proof Pressure and Temperature Transducer



Pressure Sensor Type: **Industrial Pressure Transducer**

Pressure Type: **Gauge**

Hazardous Area Approval: **Explosion Proof**

Output Signal Type: **0 – 10 V**

Pressure: **5 bar [ 72.51 psi ]**

All Explosion-Proof Pressure and Temperature Transducer (12)

## Features

### Product Type Features

| | |
|---|---|
| Pressure Sensor Type | Industrial Pressure Transducer |
| Pressure Type | Gauge |

### Configuration Features

| | |
|---|---|
| Electrical Connection | Conduit 2m Leads |

### Electrical Characteristics

| | |
|---|---|
| Supply Voltage Range | 10 – 28 V |

### Body Features

| | |
|---|---|
| Port Material | 17-4PH |

### Dimensions

| | |
|---|---|
| Product Diameter | 25.4 mm[1 in] |
| Product Length | 1906.5 mm[75.06 in] |

### Usage Conditions

| | |
|---|---|
| Pressure | 5 bar[72.51 psi] |
| Operating Temperature Range | -40 – 85 °C[-40 – 185 °F] |

### Operation/Application

| | |
|---|---|
| Output Signal Type | 0 – 10 V |

| | |
|---|---|
| Proof Pressure Range | 2X, Min |
| Pressure Accuracy | ±0.1% FSO |

## Industry Standards

| | |
|---|---|
| Compatible With Agency/Standards Products | UL |
| Hazardous Area Approval | Explosion Proof |

## Other

| | |
|---|---|
| Sensor Options | No Option |
| Port Fitting | 1/4 MNPT |

## Product Compliance

For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Not Yet Reviewed |
| EU ELV Directive 2000/53/EC | Out of Scope |
| China RoHS 2 Directive MIIT Order No 32, 2016 | 未针对中国 RoHS 符合性进行审核 Not reviewed for China RoHS compliance |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>SVHC > Threshold:<br>Pb (10% in Component Part)<br>**Article Safe Usage Statements:**<br>Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location. |
| Halogen Content | Not Yet Reviewed for halogen content |
| Solder Process Capability | Not reviewed for solder process capability |

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked.Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

## Compatible Parts



TE Part # CAT-PTT0055
Explosion-Proof Pressure and Temperature Transducer

## Also in the Series | AST46PT



Industrial Pressure Transducers(12)



Pressure Transducers(12)

## Customers Also Bought

TE Part #20014559-00
AST46PT1AG0005P5W1L000: CTO-13000000-07

## Documents

### CAD Files

3D PDF

3D

Customer View Model
ENG_CVM_CVM_20014557-00_A1.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_20014557-00_A1.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_20014557-00_A1.3d_stp.zip

English

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## Datasheets & Catalog Pages

### AST46PT Datasheet

English