# AST4510A00001P4P1000 ✔ ACTIVE

AST | AST4500/4510

TE Internal #: 11108153-00

Industrial Pressure Transducer / Submersible Pressure Transducer, Gauge, 4 – 20 mA Output Signal, 2X, Min Proof Pressure Range, AST4500/4510

View on TE.com >

Sensors > Pressure Sensors > Pressure Transducers > IS Rated Submersible Transducer



Pressure Sensor Type: **Industrial Pressure Transducer, Submersible Pressure Transducer**

Pressure Type: **Gauge**

Output Signal Type: **4 – 20 mA**

Pressure: **.068 bar [ 1 psi ]**

Supply Voltage Range: **10 – 28 V**

All IS Rated Submersible Transducer (33)

## Features

### Product Type Features

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

### Configuration Features

| | |
|---|---|
| Electrical Connection | Conduit 10 ft |

### Electrical Characteristics

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

### Body Features

| | |
|---|---|
| Port Material | 316L |

### Dimensions

| | |
|---|---|
| Product Diameter | 22.22 mm[.875 in] |
| Product Length | 3125.7 mm[123.06 in] |

### Usage Conditions

| | |
|---|---|
| Pressure | .068 bar[1 psi] |
| Operating Temperature Range | -40 – 80 °C[-40 – 176 °F] |

### Operation/Application

| | |
|---|---|
| Output Signal Type | 4 – 20 mA |
| Proof Pressure Range | 2X, Min |
| Pressure Accuracy | ±0.25% FSO |

## Industry Standards

| | |
|---|---|
| Compatible With Agency/Standards Products | UL |

## Other

| | |
|---|---|
| Sensor Options | IP68 Protection |
| Port Fitting | 1/4 MNPT |

## Product Compliance

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

| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant |
| EU ELV Directive 2000/53/EC | Compliant with Exemptions |
| China RoHS 2 Directive MIIT Order No 32, 2016 | 有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold |
| 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>2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one (3.9% in 17980139677) |
| 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-PTT0049
IS Rated Submersible Transducer

## Also in the Series | AST4500/4510



Industrial Pressure Transducers(33)



Pressure Transducers(33)

Submersible Pressure Transducers(33)

## Customers Also Bought



TE Part #CAT-PTT0049
IS Rated Submersible Transducer

TE Part #11108159-00
AST4510A00010P4P1000:CTO-13000000-03

## Documents

### CAD Files

3D PDF

3D

Customer View Model
ENG_CVM_CVM_11108153-00_A.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_11108153-00_A.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_11108153-00_A.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

## Datasheets & Catalog Pages

### AST4500/AST4510 Datasheet

English