The AST4530 series PVDF/PTFE submersible transducer is designed to measure the liquid level of corrosive liquids and features conduit connection for turbulent installations.

Sensors > Pressure Sensors > Pressure Transducers

The AST4530 series PVDF/PTFE submersible transducer is designed to measure the liquid level of corrosive liquids and features submersible PVDF cable, cord grip, and housing for turbulent installations.

Sensor Type: Liquid Level Pressure Transducers
Pressure Range: 0 - 2 to 30 psi
Output/Span: .5 - 4.5 V, 1 - 5 V, 4 - 20 mA
Type: Gage
Accuracy: ±0.25% FSO

The AST4530 series PVDF/PTFE submersible transducer is constructed using durable PVDF material and a PTFE diaphragm for turbulent installations such as on-board ships, turbulent tanks, and rail cars. Voltage and 4-20mA output signals allow users to interface for low current consumption or long distance transmission applications. The AST4530 is CSA157 certified for use in intrinsically safe areas with an approved barrier, ANSI/ISA 12.27.01 Single Seal Approved and ATEX / IECEx Ex ia IIB T4 Ga (Ta = -40°C to +80°C). CAN/CSA C22.2 No 60079-0:11, ANSI/ISA 60079-0:09, CAN/CSA E60079-11:02, ANSI/ISA 60079-11:11, CAN/CSA C22.2N.157-92, UL 913 (6th Edition).

Benefits
- ABS (American Bureau of Shipping) and DNV approved
- ATEX / IECEx: Ex ia IIB T4 Ga (Ta = -40°C to +80°C)
- Excellent liquid and gas compatibility
- Works effective alternative to ultrasonic & radar sensor technologies
- Works with reflective liquids
PVDF/PTFE Submersible Transducer
TE Model # AST4530
TE Internal #: CAT-PTT0051

- Will not fail due to vapor
- No galvanic corrosion or risk of bacteria

Applications
- Chemical totes
- Salt water holding tanks
- Process plants
- Rail-car liquid level monitoring
- Storage tanks

Resources
Submersible Pressure Transducer for Tank Installation
Measure liquid level within a vented tank using a submersible pressure transducer.

Features

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<th>Description</th>
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<td>Liquid Level Pressure Transducers</td>
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<td>Sensor Type</td>
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<td>Environmental Conditions</td>
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<td>Operation/Application</td>
<td>Overpressure 2X, Min</td>
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For support call +1 800 522 6752
**PVDF/PTFE Submersible Transducer**

**TE Model #: AST4530**  
**TE Internal #: CAT-PTT0051**

### Pressure Range
- **0 - 2 to 30 psi**

### Output/Span
- **.5 - 4.5 V, 1 - 5 V, 4 - 20 mA**

### Accuracy
- **±0.25% FSO**

#### Other

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#### Related Materials

- **Data Sheet**
  - AST4530 Datasheet
  - English

- **Agency Approval Document**
  - American Bureau of Shipping (ABS) Confirmation of Product Type Approval-Ordinary Location
  - English

- **Agency Approval Document**
  - EU Declaration of Conformity (DOC)
  - English

- **Agency Approval Document**
  - Quality Assessment Report
  - English

- **Agency Approval Document**
  - Quality Assurance Notification
  - English

- **Specification Or Standard**
  - Installation/Wiring Document for AST Pressure Sensors
  - English

- **Agency Approval Document**
  - IECEx CSA Certificate of Conformity
  - English

- **Agency Approval Document**
  - DNVGL-CERTIFICATE-TAA0000073
  - English

- **Agency Approval Document**
  - CSA_Certificate-of-Compliance_70179036
  - English

- **Agency Approval Document**
  - Sira ATEX EU-Type Examination Certificate
  - English

- **Agency Approval Document**
  - DNVGL_TypeApprovalCert_TAA0000073
  - English

- **Specification Or Standard**
  - Customer View Model
  - English
PVDF/PTFE Submersible Transducer
TE Model #: AST4530
TE Internal #: CAT-PTT0051

**Specification Or Standard**
Operating Instructions Intrinsically Safe
English

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

**Agency Approval Document**
CSA-SIRA Variation Report for ATEX and IECEx
English

**Also in the Series** | AST4530

Pressure Transducers(1)