

Shipbuilding & Marine



Many global shipyards and shipping companies rely on STS sensors for the monitoring of water, waste water and fuel tanks - particularly in ballast tank applications. STS is a major supplier in this branch of industry due to the high reliability of its sensors and the ability to manufacture them from titanium.



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Pressure transmitters

ATM.1ST



Customer Benefits

- High precision pressure sensor over the whole temperature range
- Electronic compensation
- Modular sensor structure (any process and electrical connections can be combined)
- Can be ordered in different materials
- Very short response times

Features

- Pressure measuring range: 100 mbar...1000 bar
- Accuracy: $\leq \pm 0.10 / 0.05$ % FS
- Operating temperature: $-40...125$ °C
- Process temperature: $-40...150$ °C
- Output signal: 0...5 / 0...10 V DC, 4...20 mA
- Total Error Band: $\leq \pm 0.30$ %FS ($0...70$ °C)
- Materials: Stainless steel, Titanium



Intrinsically safe pressure transmitters

ATM.1ST/Ex



Customer Benefits

- Various certificates available
- High precision pressure sensor over the whole temperature range
- Electronic compensation
- Modular sensor structure (any process and electrical connections can be combined)
- Can be ordered in different materials
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Features

- Pressure measuring range: 100 mbar...1000 bar
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- Operating temperature: $-40...125$ °C
- Process temperature: $-40...150$ °C
- Output signal: 4...20 mA
- Total Error Band: $\leq \pm 0.30$ %FS ($0...70$ °C)
- Materials: Stainless steel, Titanium



Submersible level transmitters

ATM.1ST/N



Features

- Pressure measuring range: 1...250 mH₂O
- Accuracy: $\leq \pm 0.10$ % FS
- Total Error Band: $\leq \pm 0.30$ %FS (-5...50 °C)
- Operating temperature: -5...80 °C
- Process temperature: -5...80 °C
- Output signal: 0...5 / 0...10 V DC, 4...20 mA
- Materials: Stainless steel, Titanium



Customer Benefits

- High precision pressure sensor over the whole temperature range
- Electronic compensation
- Any process connections available
- Can be ordered in different materials

Intrinsically safe submersible level transmitters

ATM.1ST/N/Ex



Features

- Pressure measuring range: 1...250 mH₂O
- Accuracy: $\leq \pm 0.10$ % FS
- Total Error Band: $\leq \pm 0.30$ %FS (-5...50 °C)
- Operating temperature: -5...80 °C
- Process temperature: -5...80 °C
- Output signal: 4...20 mA
- Materials: Stainless steel, Titanium



Customer Benefits

- Various certificates available
- High precision pressure sensor over the whole temperature range
- Electronic compensation
- Any process connections available
- Can be ordered in different materials

Pressure transmitters

ATM.ECO



Features

- Pressure measuring range: 100 mbar...1000 bar
- Accuracy: $\leq \pm 0.25$ % FS
- Operating temperature: -25...125 °C
- Process temperature: -25...150 °C
- Output signal: 0...5 / 0...10 V DC, 4...20 mA
- Total Error Band: $\leq \pm 0.70$ %FS (0...70 °C)
- Materials: Stainless steel, Titanium



Customer Benefits

- Optimal price-quality ratio
- Electronic compensation
- Modular sensor structure (any process and electrical connections can be combined)
- Can be ordered in different materials
- Very short response times

Intrinsically safe pressure transmitters

ATM.ECO/Ex



Features

- Pressure measuring range: 100 mbar...1000 bar
- Accuracy: $\leq \pm 0.25$ % FS
- Operating temperature: -25...125 °C
- Process temperature: -25...150 °C
- Output signal: 4...20 mA
- Total Error Band: $\leq \pm 0.70$ %FS (0...70 °C)
- Materials: Stainless steel, Titanium



Customer Benefits

- Various certificates available
- Optimal price-quality ratio
- Electronic compensation
- Modular sensor structure (any process and electrical connections can be combined)
- Can be ordered in different materials
- Very short response times

Submersible level transmitters

ATM.ECO/N



Features

- Pressure measuring range: 1...250 mH₂O
- Accuracy: $\leq \pm 0.25$ % FS
- Total Error Band: $\leq \pm 0.70$ %FS (-5...50 °C)
- Operating temperature: -5...80 °C
- Process temperature: -5...80 °C
- Output signal: 0...5 / 0...10 V DC, 4...20 mA
- Materials: Stainless steel, Titanium



Customer Benefits

- Optimal price-quality ratio
- Electronic compensation
- Any process connections available
- Can be ordered in different materials

Intrinsically safe submersible level transmitters

ATM.ECO/N/Ex



Features

- Pressure measuring range: 1...250 mH₂O
- Accuracy: $\leq \pm 0.25$ % FS
- Total Error Band: $\leq \pm 0.70$ %FS (-5...50 °C)
- Operating temperature: -5...80 °C
- Process temperature: -5...80 °C
- Output signal: 4...20 mA
- Materials: Stainless steel, Titanium



Customer Benefits

- Various certificates available
- Optimal price-quality ratio
- Electronic compensation
- Any process connections available
- Can be ordered in different materials

Pressure transmitters

ATM



Features

- Pressure measuring range: 100 mbar...1000 bar
- Accuracy: $\leq \pm 0.50 / 0.25 / 0.10$ % FS
- Operating temperature: $-25...85$ °C
- Process temperature: $-40...150$ °C
- Output signal: $0...5 / 0...10$ V DC, $0...20 / 4...20$ mA
- Materials: Stainless steel, Titanium



Customer Benefits

- Modular sensor structure (any process and electrical connections)
- Manual readjustment of 'span' and 'offset' possible
- Available with lightning protection
- Can be ordered in different materials
- Short response times

Intrinsically safe pressure transmitters

ATM/Ex



Features

- Pressure measuring range: 100 mbar...1000 bar
- Accuracy: $\leq \pm 0.50 / 0.25 / 0.10$ % FS
- Operating temperature: $-25...85$ °C
- Process temperature: $-40...150$ °C
- Output signal: $4...20$ mA
- Materials: Stainless steel, Titanium



Customer Benefits

- Various certificates available
- Modular sensor structure (any process and electrical connections can be combined)
- Manual readjustment of 'span' and 'offset' possible
- Available including lightning protection
- Can be ordered in different materials
- Short response times

Submersible level transmitters

ATM/N



Features

- Pressure measuring range: 1...250 mH₂O
- Accuracy: $\leq \pm 0.50 / 0.25 / 0.10$ % FS
- Operating temperature: -5...80 °C
- Process temperature: -5...80 °C
- Output signal: 0...5 / 0...10 V DC, 0...20 / 4...20 mA
- Materials: Stainless steel, Titanium
- Feature: Optional surge (lightning) protection



Customer Benefits

- Any process connections available
- Recalibration possible
- Available with lightning protection
- Can be ordered in different materials

Intrinsically safe submersible level transmitters

ATM/N/Ex



Features

- Pressure measuring range: 1...250 mH₂O
- Accuracy: $\leq \pm 0.50 / 0.25 / 0.10$ % FS
- Operating temperature: -5...80 °C
- Process temperature: -5...80 °C
- Output signal: 4...20 mA
- Materials: Stainless steel, Titanium
- Feature: Optional surge (lightning) protection



Customer Benefits

- Various certificates available
- Optimal price-quality ratio
- Any process connections available
- Can be ordered in different materials

Programmable intrinsically safe pressure transmitters

PTM/Ex



Customer Benefits

- Various certificates available
- Scalable pressure ranges and output signals
- Available with surge (lightning) protection
- Flexibly applicable pressure sensor
- Modular sensor structure (Any process and electrical connections Can be combined)
- Can be ordered in different materials

Features

- Pressure measuring range: 100 mbar...1000 bar
- Adjustable 1:4 of the nominal range within -5% to +105%
- Accuracy: $\leq \pm 0.25 / 0.10$ % FS
- Operating temperature: -25...85 °C
- Process temperature: -40...150 °C
- Output signal: 4...20 mA
- Materials: Stainless steel, Titanium
- Feature: Recalibration with software possible



Programmable intrinsically submersible level transmitters

PTM/N/Ex



Customer Benefits

- Various certificates available
- Scalable pressure ranges and output signals
- Flexibly applicable pressure sensor
- Any process connections available
- Can be ordered in different materials

Features

- Pressure measuring range: 1...250 mH₂O
- Accuracy: $\leq \pm 0.25 / 0.10$ % FS
- Adjustable 1:4 of the nominal range within -5% to +105%
- Operating temperature: -5...80 °C
- Process temperature: -5...80 °C
- Output signal: 4...20 mA
- Materials: Stainless steel, Titanium
- Feature: Recalibration with software possible

