The perfect transmitter made from expert know-how

Electronics
Danfoss pressure transmitters are available with analogue or digital electronic solutions and offer unique specifications in terms of:
- Accuracy
- Symposium range coverage
- RFI/EMI-protection
- Multi-variable transmitter function
- Pressure
- Pressure and switch function

Packaging
The transmitter design offers long-life stability through:
- High shock and vibration stability
- High enclosure grade (special version up to IP69K)
- Pulse restriction solution which prevents liquid hammering and cavitation
- Wetted parts that are all made from stainless steel

Sensing element
Offering two sensing technologies Danfoss is able to cover the variable application requirements with highly competitive solutions. Both technologies are designed to operate in severe environments:
- Piezoresistive semiconductor technology covering pressure ranges from 1 to 600 bar. This technology is available in absolute or gauge versions.
- Thin-film technology is mainly used for high-pressure applications up to 2200 bar. This technology is available in gauge version.

The transmitter design offers long-life stability through:
- High shock and vibration stability
- High enclosure grade (special version up to IP69K)
- Pulse restriction solution which prevents liquid hammering and cavitation
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Danfoss is a leading global player within the development and production of mechanical and electronic products and controls. Since 1933, our extensive know-how has made modern life easier and we continue to break new ground within our core business areas.

Every day, more than 250,000 items are produced at 70 factories in 25 countries. Impressive as these figures are, we are most proud of the way our dedicated employees apply the high-quality components in customer solutions, adding value to the end products. Building strong partnerships is of great importance to us, because it is purely by understanding our customers’ needs that we can meet the expectations of tomorrow.

This is also true in Industrial Automation, a Danfoss entity dedicated to focusing on the industrial world of today. Through us, you gain access to the entire Danfoss pool of technologies, with special emphasis on sensors and controls. We offer safer, more reliable and more efficient solutions in a close cooperation based on firm values.

Learn more at ia.danfoss.co.uk
When you choose Danfoss as your supplier of pressure transmitters, you choose a dedicated partner who truly understands the challenges in your specific applications. Years of experience allow us to provide you with advanced solutions that will meet your every requirement in terms of both performance and life cycle cost. Choose from our wide range of standard devices or team up with our worldwide transmitter experts to design a customised solution for your equipment.

### TRANSMITTER SPECIFICATIONS

#### Marine, Mobile Hydraulics and Railways

- **Marine equipment**
- **Mobile hydraulic equipment**
- **Railway equipment**

#### Industrial Hydraulics, Air Compressors, Water Pumps and Industrial Engines

- **Industrial hydraulics**
- **Air compressors**
- **Water pumps**
- **Engines**

#### Heating and Sanitation

- **Heating and sanitation equipment**

#### Energy

- **Wind Turbines and Electric Power**

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### PRESSURE TRANSMITTERS OVERVIEW

<table>
<thead>
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<th>TYPE</th>
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#### Characteristics

- **Sensor technology**
  - Piezo
  - Resistive

- **Accuracy FS (max)**
  - ± 1%
  - ± 0.3%
  - ± 0.5%

- **Max. measuring range [bar]**
  - 0 – 400
  - 0 – 600
  - 0 – 600
  - 0 – 600
  - 0 – 600
  - 0 – 87
  - 0 – 363

- **Output signal**
  - 4 – 20 mA
  - Absolute voltage

- **Medium temperature**
  - °C
  - °F

- **Enclosure IP**
  - IP65
  - IP67

- **Wetted parts material**
  - AISI 316L

- **Housing material**
  - AISI 316L

- **Zero point and span adjustment**
  - Marine approvals
  - ATEX approval

- **US HazLoc**
  - Class 1, Div. 2

- **Pressure ranges**
  - 0 – 6 bar — 0 – 25 bar in relative (gauge)
  - 0 – 87 psi — 0 – 363 psi in relative (gauge)

All transmitters are available with a variety of electrical and process connections. Please contact your Danfoss dealer.