



**Pressure transducer PTA**

food, chemical and pharmaceutical industries



Flush mounted installation  
 Range: 10-1000 bar  
 Overpressure: 400 %  
 Certified material: Titanium grade 5  
 Non-linearity and hysteresis: <  $\pm 0.5$  %  
 Output: 2 mV/V  $\pm 2$  %  
 Temperature: -55 °C to +150 °C  
 No oil filling  
 Small size:  $\varnothing 19$  mm diaphragm

**Pressure transmitter PS**

food, chemical and pharmaceutical industries



Piezoresistive measuring element  
 Range: 0.2-10 bar gauge  
 Overpressure: 200 %  
 Material: Stainless steel AISI 316  
 Non-linearity and hysteresis: <  $\pm 0.25$  %  
 Output: 4-20 mA, 2-wire  
 Supply voltage: 12-30 VDC  
 Temperature: 0 °C to +50 °C  
 Cable or connector termination

**Pressure transducer PTAF**

for tri-clamp mounting in sanitary applications



Fast 50 mm tri-clamp installation  
 Range: 5, 10, 20 or 50 bar  
 Overpressure: 400 %  
 Certified material: Titanium grade 5  
 Non-linearity and hysteresis: <  $\pm 0.5$  %  
 Output: 2 mV/V  $\pm 2$  %  
 Temperature: -40 °C to +120 °C  
 No oil filling  
 Surface roughness: < 0.4 microns

**Pressure transmitter PTIP IE2**

offshore and subsea industries



Strain gauge measuring principle  
 Range: 10-1000 bar  
 Overpressure: 400 %  
 Material: Titanium grade 5  
 Non-linearity and hysteresis: <  $\pm 0.5$  %  
 Output: 4-20 mA, 2-wire  
 Supply voltage: 12-30 VDC  
 Temperature: -5 °C to +70 °C  
 Submersible to 2500 m

**Pressure transducer PTI**

food, chemical and pharmaceutical industries



Integrated electronics  
 Range: 5-1000 bar  
 Flush mounted installation  
 Material: Titanium grade 5  
 Non-linearity and hysteresis: <  $\pm 0.5$  %  
 Output: 4-20 mA, 2-wire  
 Supply voltage: 12-30 VDC  
 Temperature: -25 °C to +85 °C  
 Cable or connector termination

**Differential pressure transducer PDR 0.1 D**

level, filter and flow measurements - hydraulic systems



Piezoresistive measuring element  
 Range: 0.1 bar  
 Line pressure: max 10 bar  
 Material: AISI 316L, VITON  
 Painted AISi 12(Cu) enclosure- IP65  
 Non-linearity and hysteresis: <  $\pm 0.5$  %  
 Output: 4-20 mA 3-wire  
 Supply voltage: 12-30 VDC or 9V BAT  
 Temperature: -10 °C to +70 °C

**Pressure transducer DPI**

food, chemical and pharmaceutical industries



Range: 10-1000 bar  
 Overpressure: 200 %  
 Material: Titanium grade 5  
 Non-linearity and hysteresis: <  $\pm 0.5$  %  
 Multiple outputs including 2-wire 4-20 mA  
 Supply voltage: 12-30 VDC or 9V BAT  
 Temperature: -25 °C to +100 °C  
 Cable or connector termination

**Differential pressure transmitter PDR**

level, filter and flow measurements - hydraulic systems



Variable reluctance  
 Range:  $\pm 50$  mbar to  $\pm 10$  bar  
 Line pressure: max 200 bar  
 Material: Stainless steel AISI 410  
 Painted AISi 12(Cu) enclosure- IP65  
 Non-linearity and hysteresis: <  $\pm 0.5$  %  
 Multiple outputs including 2-wire 4-20 mA  
 Supply voltage: 12-30 VDC  
 Temperature: -25 °C to +85 °C

**Differential pressure transducer PDS**

level, filter and flow measurements



Piezoresistive measuring element  
 Range: 50 mbar to 2 bar  
 Line pressure: max 10 bar.  
 Material: Stainless steel AISI 316L  
 Non-linearity and hysteresis:  $< \pm 0.5\%$   
 Output: 4-20 mA  
 Supply voltage: 12-30 VDC  
 Temperature:  $-10\text{ }^{\circ}\text{C}$  to  $+80\text{ }^{\circ}\text{C}$

**Displacement transducer XLW 16/x**

general displacement applications



Variable reluctance (single coil)  
 Range: 15 mm to 600 mm  
 Non-linearity:  $< \pm 0.5\%$   
 Temperature:  $-40\text{ }^{\circ}\text{C}$  to  $+150\text{ }^{\circ}\text{C}$   
 Material: Stainless steel AISI 316L  
 Tube diameter:  $\varnothing 16\text{ mm}$   
 Core diameter:  $\varnothing 4\text{ mm}$   
 Short built-in length

**Displacement transducer XHY 12**

for hydraulic and pneumatic cylinder integration



Variable reluctance (single coil)  
 Range: 50 mm to 1500 mm  
 Working pressure: max 350 bar  
 Non-linearity:  $< \pm 0.5\%$   
 Temperature:  $-40\text{ }^{\circ}\text{C}$  to  $+155\text{ }^{\circ}\text{C}$   
 Tube diameter:  $\varnothing 12\text{ mm}$   
 Core diameter:  $\varnothing 4\text{ mm}$   
 Short length to stroke  
 Only 2-wire connection

**Displacement transmitter LDW 16/x-IE**

general displacement applications



Differential variable reluctance  
 Range: 30 mm to 600 mm  
 Supply voltage: 12-30 VDC  
 Non-linearity:  $< \pm 0.5\%$   
 Output: 4-20 mA, 0-20 mA, 0-5 V or  $\pm 2.5\text{ V}$   
 Temperature:  $-25\text{ }^{\circ}\text{C}$  to  $+85\text{ }^{\circ}\text{C}$   
 Material: Stainless steel AISI 316L  
 Painted AISI 12(Cu) enclosure- IP65  
 Electrical connection: Screw terminals

**Displacement transducer XEH 6**

for hydraulic cylinder integration



Eddy-current measuring principle  
 Range: 50 to 1500 mm  
 Non-linearity:  $< \pm 0.5\%$  (typ.  $< \pm 0.3\%$ )  
 Temperature:  $-40\text{ }^{\circ}\text{C}$  to  $+155\text{ }^{\circ}\text{C}$   
 Working pressure: max 350 bar  
 $\varnothing 6\text{ mm}$  AISI 316L housing  
 Target tube:  $\varnothing 10 \times 1\text{ mm}$  aluminium  
 Shortest built-in length

**Displacement transmitter XLW 16/x-E**

general displacement applications



Variable reluctance (single coil)  
 Range: 15 mm to 600 mm  
 Supply voltage: 12-30 VDC  
 Non-linearity:  $< \pm 0.5\%$   
 Output: 4-20 mA, 0-20 mA, 0-5 V or  $\pm 2.5\text{ V}$   
 Temperature:  $-25\text{ }^{\circ}\text{C}$  to  $+85\text{ }^{\circ}\text{C}$   
 Material: Stainless steel AISI 316L  
 Short built-in length

**Displacement transducer LDW 16/x**

general displacement applications



Differential variable reluctance  
 Range:  $\pm 15\text{ mm}$  to  $\pm 300\text{ mm}$   
 Non-linearity:  $< \pm 0.5\%$   
 Supply voltage: 5 V, 5 kHz nominal  
 Temperature:  $-40\text{ }^{\circ}\text{C}$  to  $+150\text{ }^{\circ}\text{C}$   
 Material: Stainless steel AISI 316L  
 Tube diameter:  $\varnothing 16\text{ mm}$   
 Core diameter:  $\varnothing 4\text{ mm}$

**Displacement transducer LDTW 5 LS**

general displacement applications



Linear variable differential transformer  
 Range:  $\pm 5\text{ mm}$   
 Non-linearity:  $< \pm 0.5\%$   
 Supply voltage: 5 V, 5 kHz nominal  
 Sensitivity: 67 mV/V/mm  
 Material: Stainless steel  
 Temperature:  $-40\text{ }^{\circ}\text{C}$  to  $+150\text{ }^{\circ}\text{C}$   
 Working pressure: 40 bar (optional)



**Displacement transducer LDT 5 HRWS**

applications in nuclear environment

Linear variable differential transformer  
 Range:  $\pm 5$  mm  
 Non-linearity:  $< \pm 1$  %  
 Supply voltage: 5 V, 5 kHz nominal  
 Material: Stainless steel  
 Pressure: max 200 bar  
 Radiation:  $< 70.000$  Megarads  
 Temperature:  $-200$  °C to  $+400$  °C  
 Non organic materials



**Level transmitter PSLME (ø16mm)**

applications in bore holes with small diameter

Piezoresistive measuring element  
 Range: 0.5, 1, 2, 5, 10 bar  
 Non-linearity:  $< \pm 0.2$  %  
 Certified material: Titanium grade 5  
 Supply voltage: 5, 9-30 or 12-30 VDC  
 Output: 0-20mA, 4-20 mA, 0-5 V, 1-5 V or 100 mV to 3400 mV  
 Improved accuracy over temperature  
 Range selection and calibration through cable (ventilated PUR cable)



**Displacement transmitter XLW 16/25 TAC E**

pneumatically actuated for automatic testing of dimensions

Variable reluctance (single coil)  
 Range: 10 mm  
 Pre-travel: 15 mm  
 Non-linearity:  $< \pm 0.5$  %  
 Supply voltage: 12-30 VDC  
 Output: 3-5 VDC  
 Material: Stainless steel AISI 316L  
 Gauging force: 200 p at 2 bar  
 Air supply through ø6 mm nylon tube



**Industrial Carrier Amplifier - ICAB**

for sensors based on LVDT or differential coil

Supply voltage: 12-30 VDC  
 Output: 0-20 mA, 4-20 mA, 0-5 V or  $\pm 2.5$  V  
 Non-linearity:  $< \pm 0.01$  %  
 Temperature:  $-25$  °C to  $+85$  °C  
 Carrier frequency: 525 Hz, 5 kHz or 10 kHz  
 Painted AISi 12(Cu) enclosure - IP65  
 PG7 (ø4 to ø7mm) Brass cable glands



**Level transmitter PSL (ø20mm)**

applications in bore holes, lakes and rivers

Piezoresistive measuring element  
 Range: 2 mWC to 100 mWC  
 Non-linearity:  $< \pm 0.25$  % (typ.  $\pm 0.1$  %)  
 Temperature(comp.): 0 °C to 70 °C  
 Material: Stainless steel AISI 316L  
 Supply voltage: 12-30 VDC  
 Output: 4-20 mA or 1-5 V  
 Ventilated PUR cable  
 Increased temperature range



**Transducer Conditioner Amplifier - TCAB**

works with all our single coil displacement transducers

Supply voltage: 12-30 VDC  
 Output: 0-20 mA, 4-20 mA, 0-5 V or  $\pm 2.5$  V  
 Non-linearity:  $< \pm 0.01$  %  
 Temperature:  $-25$  °C to  $+85$  °C  
 Screw terminal connections  
 Painted AISi 12(Cu) enclosure- IP65  
 PG7 (ø4 to ø7mm) Brass cable glands  
 Trimpot ZERO and SPAN adjustments



**Level transmitter PSLM (ø16 mm)**

applications in bore holes with small diameter

Piezoresistive measuring element  
 Range: 2 mWC to 100 mWC  
 Non-linearity:  $< \pm 0.25$  %  
 Temperature(comp.):  $-2$  °C to 30 °C  
 Material: Stainless steel AISI 316L  
 Supply voltage: 12-30 VDC  
 Output: 4-20 mA, 1-5 V or 100 mV to 3400 mV  
 Ventilated PUR cable  
 Smallest diameter



**About us**

We devote our resources to working together with our customers, providing effective and reliable solutions to their needs. H F Jensen A/S is ISO 9001 certified by Bureau Veritas for development, production and sales of transducers and transmitters, and qualified in the Achilles Joint Qualification System, for delivery to the Oil and Gas industry.



ID 29585

Go to our website for certification/qualification documentation