



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: <math>< \pm 0.5 \%</math>
 Output: 2 mV/V $\pm 2 \%</math>
 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: <math>< \pm 0.25 \%</math>
 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: <math>< \pm 0.5 \%</math>
 Output: 2 mV/V $\pm 2 \%</math>
 Temperature: -40 °C to +120 °C
 No oil filling
 Surface roughness: <math>< 0.4</math> microns$

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: <math>< \pm 0.5 \%</math>
 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: <math>< \pm 0.5 \%</math>
 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: <math>< \pm 0.5 \%</math>
 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: <math>< \pm 0.5 \%</math>
 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: ± 50 mbar to ± 10 bar
 Line pressure: max 200 bar
 Material: Stainless steel AISI 410
 Painted AISi 12(Cu) enclosure- IP65
 Non-linearity and hysteresis: <math>< \pm 0.5 \%</math>
 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: $\lt; \pm 0.5 \%$
 Output: 4-20 mA
 Supply voltage: 12-30 VDC
 Temperature: -10 °C to +80 °C

Displacement transducer XLW 16/x

general displacement applications



Variable reluctance (single coil)
 Range: 15 mm to 600 mm
 Non-linearity: $\lt; \pm 0.5 \%$
 Temperature: -40 °C to +150 °C
 Material: Stainless steel AISI 316L
 Tube diameter: $\varnothing 16$ mm
 Core diameter: $\varnothing 4$ 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: $\lt; \pm 0.5 \%$
 Temperature: -40 °C to +155 °C
 Tube diameter: $\varnothing 12$ mm
 Core diameter: $\varnothing 4$ 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: $\lt; \pm 0.5 \%$
 Output: 4-20 mA, 0-20 mA, 0-5 V or ± 2.5 V
 Temperature: -25 °C to +85 °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: $\lt; \pm 0.5 \%$ (typ. $\lt; \pm 0.3 \%$)
 Temperature: -40 °C to +155 °C
 Working pressure: max 350 bar
 $\varnothing 6$ mm AISI 316L housing
 Target tube: $\varnothing 10 \times 1$ 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: $\lt; \pm 0.5 \%$
 Output: 4-20 mA, 0-20 mA, 0-5 V or ± 2.5 V
 Temperature: -25 °C to +85 °C
 Material: Stainless steel AISI 316L
 Short built-in length

Displacement transducer LDW 16/x

general displacement applications



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

Displacement transducer LDTW 5 LS

general displacement applications



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

Displacement transducer LDT 5 HRWS

applications in nuclear environment

Linear variable differential transformer
 Range: ± 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 ± 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. ± 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 ± 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. HF Jensen A/S is ISO 9001 certified by ExVeritas 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