

Welcome
Bienvenue
Herzlich Willkommen



Product Presentation
Pressure Instruments

Pressure Instruments



- Standard pressure transmitters
- Industrial pressure transmitters
- Process pressure transmitters
- Level probes
- Pressure gauges and pressure switches
- Pressure cells
- Chemical seals and accessories

- Key data of product line

Standard Pressure Transmitters

JUMO MIDAS, Type 40.1001
JUMO MIDAS DR, Type 40.1009



compact - robust – low cost

- Type DR: for DIN rail mounting
- Measurement ranges: 1.6 - 100 bar, relative
- Accuracy: 0.5 %
- Sensor: ceramic, thick-film strain gauge
- Process connection: male thread (according to choice)
- Seal: FPM or FFPM or CR or special types
- Output: analog (standard signals)
- Electrical connection: M12 connector, terminal box, attached cable, Bajonett, Metri Pack

Applications: Compressors | Commercial vehicles | Heating systems

Standard Pressure Transmitters

JUMO MIDAS HP, Type 40.1005

JUMO MIDAS SI, Type 40.1006



compact - robust – low cost

- Type HP: thin-film sensor
160 - 600 bar, relativ
- Type SI: piezoresistive sensor
0.25 - 25 bar, relative / absolute
- Stainless steel measuring system
(without seals)
- Process connection:
male thread (according to choice),
also front-flush (Type 40.1006)
- Output: analog (standard signal)
- Electrical connection:
M12 connector, terminal box, attached cable,
Bajonett, Metri Pack

Applications: Hydraulics | Compressors | Compressed air | Cooling systems



Standard Differential Pressure Transmitter

JUMO MIDAS DP 10

Type 40.1050



- also for fluid media
- Measurement ranges: 0.04 bar ..16 bar DP
- Stainless Steel Sensor (piezo resistive)
- Process connection: 2x G1/8 female
- Output: analog (standard signal)
- Electrical connection:
M12 connector, Bajonett

Applications: Compressors | Pumps | Tanks

Industrial Pressure Transmitters

JUMO dTRANS p30, Type 40.4366
top quality and diversity



- Measurement ranges:
0.25 - 600 bar, relative / absolute
- Accuracy: 0.5 %, optionally 0.2 %
- Stainless steel measuring system
(without seals)
- Process connection:
all the usual female and male threads,
front-flush hygienic connections
- EHEDG certificate for PEKA connection
- Output: analog (standard signal)
- Electrical connection:
M12 connector, terminal box or attached cable

Applications: universal

Industrial Pressure Transmitters

JUMO dTRANS p31, Type 40.2050
for high-temperature media up to 200 °C



- Measurement ranges:
0.25 - 25 bar, relative / absolute
- Accuracy: 0.5 %, optionally 0.2 %
- Stainless steel measuring system
(without seals)
- Process connection:
various front-flush connections
- EHEDG certificate for PEKA connection
- Output: analog (standard signal)
- Electrical connection:
M12 connector, terminal box or attached cable

**Applications: Sterilizers | Autoclaves | CIP installations |
Food & Pharmaceuticals | High-purity water**

Industrial Pressure Transmitters

JUMO dTRANS p32, Type 40.2051
for low-pressure gases



- Measurement ranges:
40 - 600 mbar, relative / differential
- Accuracy: 0.5 %
- Measuring system:
piezoresistive sensor
(without stainless steel diaphragm)
- Process connection:
various male threads
- Output: analog (standard signal)
- Electrical connection:
M12 connector, terminal box or attached cable

Applications: Clean-room monitoring | Air conditioning systems

Industrial Pressure Transmitters

JUMO dTRANS p33, Type 40.4753

 II 1/2 GD EEx ia IIC T4-T6 (ATEX)



- Measurement ranges: 0.25 - 600 bar, relative
- Accuracy: 0.5 %
- Measuring system: welded, stainless steel
- Process connection:
all the usual male and female threads,
front-flush hygienic connections
- Output: 4 - 20 mA (2-wire)
- Electrical connection:
M12 connector, terminal box,
attached cable or terminal head
- Option: IP68 (level probe)

Applications: universal | Food | Pharmaceuticals | Chemicals | Waste Water

Industrial Pressure Transmitters

JUMO CANtrans p Ceramic / p / pT, Type 40.2055 / 56 / 57 with CANopen interface



- Measurement ranges: 0.25 - 600 bar, relative / absolute
- Accuracy: 0.5 %
- Sensor: stainless steel, ceramic, combined probe with temperature
- Process connection: all the usual male and female threads, also front-flush connections
- Output: digital (CANopen)
- Electrical connection: M12 connector

Applications: Medical technology | Mobile hydraulics | Wind energy plant | Packing machinery | Automation

Industrial Pressure Transmitters

Pressure / differential pressure transmitters, Type 40.4304
for low-pressure gases



- Measurement ranges:
0.5 - 1000 mbar, relative / differential
800 - 1200 mbar, barometric
- Accuracy: 1.0 %
- Measuring system: inductive
- Process connection:
6mm dia. hose connection
- Output: analog (standard signal)
- Characteristic: linear or square-root
- LC display and switch contacts (option)

**Applications: Heating | Air conditioning | Ventilation | Clean-rooms | Filters |
Flow-through**

Process Pressure Transmitters

JUMO dTRANS p02 Series, Type 40.4382 / 85 / 87 programmable, for very demanding applications



- Measurement ranges:
0.1 - 600 bar, relative / absolute,
0.06 - 25 bar differential pressure
- Accuracy: 0.1 %
- Sensor: stainless steel or ceramic
- Process connection:
all the usual male and female threads /
front-flush connections, also with chemical seals
- EHEDG certificate for PEKA connection
- Output: 4 - 20 mA, HART interface
- Characteristic: linear or square-root
- Display and keypad fitted as standard
- Setup program (option)

Applications: Process technology | Filling level | Flow-through

Level Probes

JUMO dTRANS p90, Type 40.2090
for indoor applications



- Measurement ranges: 0.25 - 6 bar, relative
- Accuracy: 0.5 %
- Measuring system: stainless steel
- Process connection:
G 1/4 female, open / closed at bottom
- Output: analog (standard signal)
- Electrical connection:
attached cable with pressure compensation
an PE sheath

Applications: Swimming pools | Water supply | Wastewater

Level Probes

Type 40.4390

robust, with lightning-strike protection for outdoor use



- Measurement ranges: 0.25 - 25 bar, relative
- Accuracy: 0.5 %
- Measuring system: stainless steel
- Process connection:
G 1/4 female, open / closed at bottom
- Output: 4 - 20 mA
- Electrical connection:
attached cable, various sheath materials

Applications: Wells | Dams | Hydroelectric plant | River levels

Level Probes

Type 40.4391
for small ranges



-20 to +60 °C

- Measurement ranges: 0.05 - 1 bar, relative
- Accuracy: 0.2 %
- Measuring system: ceramic
- Process connection:
open / closed at bottom
- Output: 4 - 20 mA or 0.5 – 4.5 V
- Electrical connection:
attached cable, various sheath materials
- Option: PTFE housing (without stainless steel)

**Applications: Wells | Swimming pools | Waster water engineering |
River levels**

Pressure gauges

Pressure gauge,

Type 40.4010 / 4110

Contact pressure gauge,

Type 40.4020



- Measurement range: 0.6 - 600 bar, relative
- Indication accuracy: Class 1.0
- Process connection:
G 1/2
- Output for type 40.4020:
2 contacts, make or break according to choice

Applications: Heating | Air conditioning | Ventilation | Plant engineering

Pressure Switches

Pressure switch, Type 40.4200
Differential pressure switch, Type 40.4201



- Measurement ranges:
0.05 - 6 bar differential pressure (40.4200),
0.4 - 150 mbar differential pressure (40.4201)
- Switching accuracy: 5 %, 15 %
- Measuring system: mechanical
- Process connection:
G 1/4 female, hose connection
- Output: logic (microswitch)

Applications: Heating | Air conditioning | Ventilation | Plant engineering

OEM Pressure Cells

Piezoresistive sensor, Type 40.4431 / 34

Thin-film sensor, Type 40.4420



- Measurement ranges: 0.25 - 1000 bar
- Accuracy: 0.2 %, 0.5 %
- Measuring system: stainless steel (piezoresistive / thin-film)
- Process connection: optional, customer-specific
- Electrical connection: optional, customer-specific
- Excellent long-term stability
- Highly resistant to chemicals
- Temperature compensation (option)

Applications: OEM customers | Competition

Hygienic Adapter System

JUMO PEKA

Type 40.9711



- For pressure sensors and temperatur sensors
- Prozess connection: exchangeable
- Transmitter and sensor: exchangeable
- Materials: Stainless steel with seal
- Optimal cleaning, e.g. CIP, SIP
- EHEDG certified
- FDA listed materials

Applications: Food | Pharma

Chemical Seals and Accessories

Accessories



- Power supplies, supply isolators
- Indicators
- Chemical seals
- Valves, valve blocks
- Mounting accessories
- Orifice plates
- Setup software, and a lot more



Key Data of Product Line



Products

- about 200,000 pressure instruments are delivered annually

Organization

- Process-oriented organization
 - development
 - sales
 - production

Key Data of Product Line



Strengths

- Wide selection of standard products (sensors, process connections, output signals)
- Customized and industry-specific versions
- State-of-the art production lines for large-scale / small-scale series
- In-house sensor production
- In-house development
- In-house test laboratory
- High quality standard

Key Data of Product Line



Major sectors

- Medical technology (sterilizers)
- Food & pharmaceuticals
- Water & wastewater
- Energy, mining, paper industry
- HVAC and refrigerating systems
- Compressors
- Painting plant
- Printing machinery
- Trucks & commercial vehicles
- Plastic-processing machinery
- Special-purpose machinery
- > 50 %

Export quota

Good Bye
Au revoir
Auf Wiedersehen



JUMO GmbH & Co. KG