

Pressure transmitters  
Differential pressure transmitters  
Pressure switches  
Vortex flow sensors  
Pressure level transmitters



 Pressure and flow

# Product overview

PRESSURE TRANS-MITTERS	PRESSURE RANGE	PAGE	PRESSURE			MEDIUM				
			Relative	Absolute	Differential	Air and neut-ral gases	Flammable gases	Liquids	Refrigerants	H2
400 OEM	0 ... 10-100 mbar	8	✓			✓		✓		
501 OEM	-1 ... 0-60 bar	8	✓	✓		✓		✓		
503 OEM	0 ... 2.5 - 52 bar	8	✓			✓		✓		
505 OEM	0 ... 4 - 16 bar	9	✓			✓		✓		
506 OEM	-0.5 ... 7 bar / 0 ... 10 - 60 bar	9	✓			✓		✓	✓	
511 OEM	-1 ... 0 - 600 bar	9	✓	✓		✓		✓		
512	0 ... 40 - 1000 bar	10	✓			✓		✓		
515 OEM	-1 ... 0 - 600 bar	10	✓	✓		✓		✓		
519	0 ... 0.4 - 60 bar	10	✓			✓		✓		
520	-1 ... 9 bar / 0 ... 2.5 - 1000 bar	11	✓			✓		✓	✓	
522	0 ... 2.5 - 600 bar	11	✓			✓		✓	✓	
525	0 ... 0.05 - 0.6 bar	11	✓			✓		✓		
526	0 ... 0.1 - 0.6 bar	12	✓			✓		✓		
527	0 ... 1 - 60 bar	12	✓	✓		✓		✓		
528	-1 ... 0 - 60 bar	12	✓	✓		✓		✓		
540	0 ... 60 - 600 bar	13	✓			✓		✓		
548	-1 ... 0 - 40 bar	13	✓			✓		✓		
550	0 ... 40 - 600 bar	13	✓			✓		✓		
555	0 ... 40 - 900 bar	14	✓							✓
558	0 ... 6 - 60 bar	14	✓	✓		✓		✓		
680	0 ... 0.1 - 1000 bar	14	✓	✓		✓		✓		

DIFFERENTIAL PRESSURE TRANSMITTERS										
401 OEM	0 ... 3 - 8 mbar	15	✓		✓	✓				
402	0 ... 3 - 50 mbar	15	✓		✓	✓				
403 OEM	0 ... 3 - 8 mbar	15	✓		✓	✓	✓			
450	-1.5 ... 3 - 100 mbar	16	✓		✓	✓				
652	0 ... 50 - 1000 mbar	16	✓		✓	✓		✓		
664	-5 ... 5 mbar/ 0 ... 5- 2000 mbar	16	✓		✓	✓				
692	0 ... 0.1 - 25 bar	17	✓		✓	✓		✓		
698	-5 ... 5 mbar / 0 ... 10000 mbar	17	✓		✓	✓				
699	-1 ... 1 mbar / 0 ... 0.3 - 50 mbar	17	✓		✓	✓				
699M	0 ... 500 - 7000 Pa	18	✓		✓	✓				

PRESSURE LEVEL TRANSMITTERS										
711	0 ... 0.1 - 10 bar	18	✓					✓		
712	0 ... 0.3 - 3 bar	18	✓	✓				✓		
713	0 ... 0.6 - 16 bar	19	✓	✓				✓		

ELECTRONIC PRESSURE SWITCHES										
521	0 ... 2.5 - 600 bar	19	✓			✓		✓		
529	-1 ... 0 - 60 bar	19	✓	✓		✓		✓		

MECHANICAL PRESSURE SWITCHES										
604	0.2 ... 50 mbar	20	✓		✓	✓				
605 OEM	20 ... 400 Pa	20	✓		✓	✓				
620/625	-900 ... 6000 mbar	20	✓			✓		✓		
630	6 ... 5500 mbar	21	✓		✓	✓		✓		

FLOW SENSORS										
200 OEM	0.5 ... 150 l/min	21						✓		
210	0.5 ... 150 l/min	21						✓		
212	0.5 ... 150 l/min	22						✓		
230	1.8 ... 150 l/min	22						✓		
235 OEM	0.9 ... 240 l/min	22						✓		
236	0.9 ... 240 l/min	23						✓		

DIGITAL INDICATING DEVICES										
801	-	23								

# Huba Control – the fine difference

Components for measuring pressure and flow are our specialty

Since 1945, the name Huba Control has stood for exceptional quality, top performance and innovation. A claim that spurs and drives our dedicated employees to give their best for our customers every day. Today, as over 75 years ago, the customer and his needs are at the center of our activities.

The focus on pressure and flow measurement is the cornerstone of our success and allows us to develop innovative products and produce them using state-of-the-art manufacturing equipment. Our products are used in applications for process optimization in systems, machines and plants and make an important contribution to process reliability and energy efficiency.

ISO 9001  
Certification

IATF 16949  
Certification

ISO 14001  
Certification

ISO 45001  
Certification



# The best under pressure

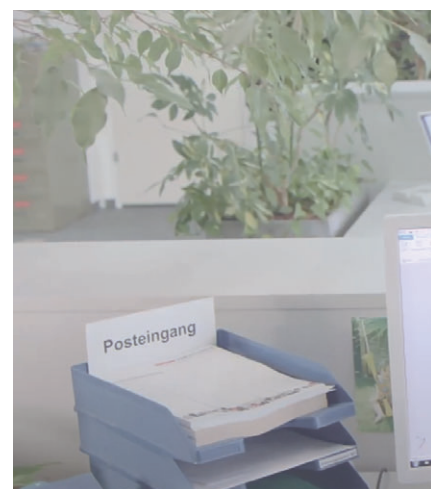
Individual and efficient solutions for every need



Individual and efficient solutions for highest demands. Sensor elements and fully calibrated, ready-to-use pressure transmitters, pressure switches and flow sensors are manufactured on state-of-the-art, highly automated production facilities. In-depth process knowledge and comprehensive control of our supply chain guarantee quality, flexibility and cost efficiency.

Our core competence is hybrid thick-film technology, which we have been refining and perfecting for over 30 years. This expertise allows us to manufacture sensor elements made of steel and ceramics, which have already proven themselves millions of times under the most difficult conditions. Long-term stable transmitters can thus be manufactured for even the finest pressures

in the Pascal range. For us, uncompromising customer proximity and individual consultation are the foundation of a partnership-based cooperation. We accompany our customers from the first product idea to the successful implementation.



Vortex Flow sensors

Flow measurement based on the Kármán vortex street



Pressure transmitter

An electrical transmitter for measuring pressure in liquids and gases





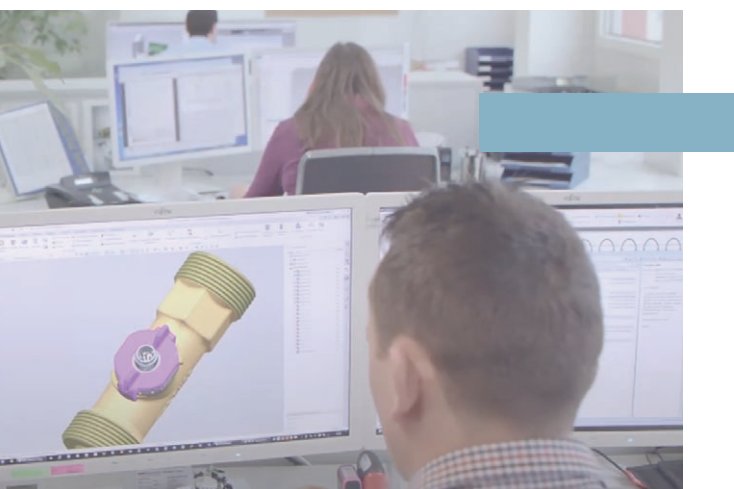
# We make perfection measurable

Our innovation is your advantage

Quality, sustainability and the safety of our employees are the focus of our actions and thinking. An integrated, process-oriented management system creates the conditions for fulfilling this corporate policy.

«We can  
handle  
pressure.

1 mbar ... 1000  
bar»



Motivated, entrepreneurial and professional employees are the most important basis for our success. This responsible and customer-oriented approach ensures the quality standards of our products and services.



## Differential pressure transmitter

Used to measure pressure changes in liquids and gases



## Pressure switch

Electronic or mechanical pressure monitoring



## Pressure level transmitter

Detection of liquid levels in tanks and containers

# Markets and presence

The clear focus on pressure measurement technology allows the development of innovative products. A wide range of products meets the most diverse requirements for process optimisation in systems, machines and plants. Sales engineers at the headquarters in Switzerland, in our own

sales offices in Germany, France, Great Britain and the Netherlands, as well as specialist agencies spread all over the world, ensure optimal advice.

The target markets for Huba Control in the field of pressure and flow measurement technology are control and monito-

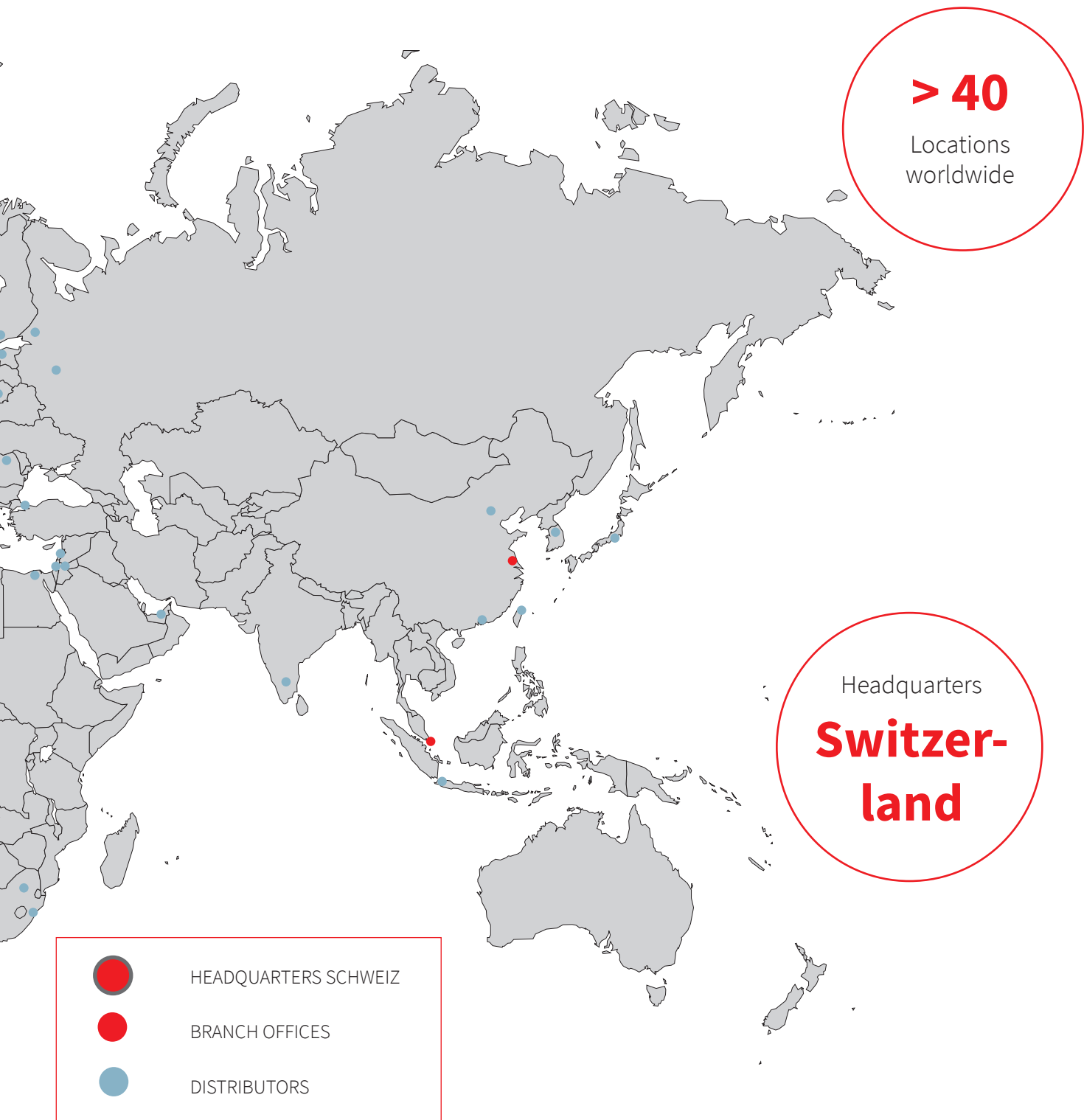


**459**

Employees  
worldwide

ring tasks for a wide range of industrial automation applications as well as special pressure transducers, components for gas wall heaters (GAS), heating, ventilation, air conditioning (HVAC) and the automotive industry. Huba Control is the market leader in the sub-markets of gas

boilers and HVAC. 97% of the products are exported. More than 50 specialist agencies and our own sales engineers in Germany, France, England, Netherlands and the USA enable us to continuously expand our international presence.



## OEM PRESSURE TRANSMITTER TYPE 400

Type 400 pressure transmitter, with its proven ceramic lever technology, has adjusted temperature compensated sensor signals and is available with a voltage output. The voltage output (VDC) is an amplified, linear signal suitable for direct processing in electronic control systems. The sensors are ideal for continuous level measurement in washing machines, dish-washers etc.

### MEDIUM

Liquids and neutral gases

### PRESSURE RANGE

0 ... 10 - 100 mbar

### OUTPUT

ratiom. 10 ... 70%

### ACCURACY

< 0.3% fs

### ELECTRICAL CONNECTION

Connector RAST 2.5

### PRESSURE CONNECTION

Hose connector Ø 6.2 mm

- + Robust construction, sensor element has no contact with media
- + Special design developed for large scale manufacture at an attractive price
- + Special snap-on mounting for easy one-handed installation in different sheet thicknesses



## OEM PRESSURE TRANSMITTER TYPE 501

Type 501 pressure transmitters, with automated production processes, are suitable for larger quantity industrial OEM applications. Various pressure and electrical connections, together with several standardised output signals, provide suitability for a wide variety of applications.

### MEDIUM

Liquids and gases

### PRESSURE RANGE

-1 ... 0 - 60 bar

### OUTPUT

ratiom. 10% ... 90%, 0 ... 5 V,  
1 ... 6 V, 0 ... 10 V, 4 ... 20 mA

### ACCURACY

< 0.5% fs

### ELECTRICAL CONNECTION

Cable 1.5 m, connector DIN EN 175301-803-A or C, M12x1

### PRESSURE CONNECTION

Inside thread or outside thread

- + Compact construction
- + Automated manufacture in large quantities for ideal price / performance ratio
- + Robust ceramic sensor technology
- + High resistance to extreme temperatures



## OEM PRESSURE TRANSMITTER TYPE 503

Type 503 pressure transmitters, with their excellent price / performance ratio, are specially designed for industrial OEM applications. Partially automated production techniques allow us to produce high quantities, yet retaining the flexibility to offer different versions.

### MEDIUM

Liquids and gases

### PRESSURE RANGE

0 ... 2.5 - 25 bar

### OUTPUT

ratiom. 10 ... 90%, 0 ... 5 V, 0 ... 10 V, 4 ... 20 mA

### ACCURACY

< 1.0% fs

### ELECTRICAL CONNECTION

Cable 1.5 m, connector DIN EN 175301-803-A, connector RAST 2.5

### PRESSURE CONNECTION

Outside thread or plug connector

- + Partial automatic production, giving ideal price / performance ratio
- + Ideal for use as a control element, as a result of a small hysteresis
- + Incorporates all the benefits of ceramics technology for industrial applications





## OEM PRESSURE TRANSMITTER TYPE 505

Type 505 pressure transmitters are particularly suitable for measuring water pressure rates in heating and industrial circular flow. Due to partially automated manufacturing we are able to handle customer orders in high quantities.

### MEDIUM

Liquids and gases

### PRESSURE RANGE

0 ... 4 – 16 bar

### OUTPUT

ration. 10 ... 70%, ration. 10 ... 50%,  
0.5 ... 3.5 V

### ACCURACY

< 1.0% fs

### ELECTRICAL CONNECTION

Connector RAST 2.5

### PRESSURE CONNECTION

Outside thread or plug connector

- + Best price / performance ratio through: electronic integrated in measuring element, optimised mounting concept and automatic production
- + Ideal for use as a control element, as a result of a small hysteresis Ideal for use as a control element, as a result of a small hysteresis



## OEM PRESSURE TRANSMITTER TYPE 506

Type 506 pressure transmitters are suitable for different applications in the field of industrial refrigeration due to its application specific pressure connections. Automated manufacturing allows the efficient production of large quantities, resulting in an excellent price / performance ratio.

### MEDIUM

Refrigerants

### PRESSURE RANGE

-1 ... 7 – 60 bar

### OUTPUT

ration. 10 ... 90%, 0 ... 5 V, 1 ... 6 V  
0 ... 10 V, 4 ... 20 mA

### ACCURACY

< 0.5% fs

### ELECTRICAL CONNECTION

Connector DIN EN 175301-803-A or C, Cable  
1.5 m, M12x1

### PRESSURE CONNECTION

Inside thread or outside thread

- + Compact construction
- + Automated manufacture in large quantities for ideal price / performance ratio
- + Robust ceramic sensor technology
- + High resistance to extreme temperatures



## OEM PRESSURE TRANSMITTER TYPE 511

Type 511 pressure transmitters meet the highest specifications for longevity, accuracy, temperature stability and EMC characteristics, making them suitable for an extremely wide range of demanding industrial applications.

### MEDIUM

Liquids and gases

### PRESSURE RANGE

-1 ... 0 – 600 bar

### OUTPUT

0 ... 5 V, 1 ... 6 V, 0 ... 10 V, 4 ... 20 mA

### ACCURACY

< 0.5% fs

### ELECTRICAL CONNECTION

Cable 1.5 m, swift connector, AMP JPT,  
M12x1, connector DIN EN 175301-803-C

### PRESSURE CONNECTION

Inside thread or outside thread

- + Compact and rugged construction for highest operational reliability
- + No media egress when exceeding rupture pressure
- + Negligible temperature influence on accuracy
- + Excellent EMC capacity
- + Saving the customer time with the swift connector cable mounting system



## PRESSURE TRANSMITTER TYPE 512

The pressure transmitter type 512 with cable connection meets the highest demands of industrial and mobil hydraulic applications. This sensor is available with protection standard IP 69K. The standard pressure orifice prevents damage due to pressure peaks. The compact and rugged design meets the requirement of shock- and vibration stability according Kfz-norm ISO 16750. The pressure transmitter type 512 guarantees highest EMC stability according to various road vehicle regulations with test level up to 100V/m.

### MEDIUM

Liquids and gases

### PRESSURE RANGE

0 ... 40 – 1000 bar

### OUTPUT

ration. 10 ... 90%, 0 ... 5 V, 1 ... 6 V,  
0 ... 10 V, 4 ... 20 mA

### ACCURACY

< 0.5% fs

### ELECTRICAL CONNECTION

Cabel PUR 1.5 m

### PRESSURE CONNECTION

Outside thread

- + Rugged PUR cable with IP 69K
- + Welded construction – no elastomer seals
- + Negligible temperature influence on accuracy
- + Excellent EMC capacity
- + Compact and rugged construction for highest operational reliability



## OEM PRESSURE TRANSMITTER TYPE 515

Type 515 pressure transmitter with cable connection meets the highest demands for industry and vehicle manufacturing applications. The compact and robust mechanical design incorporating IP69K protection allows for use in the most stringent of conditions.

### MEDIUM

Liquids and gases

### PRESSURE RANGE

-1 ... 0 – 600 bar

### OUTPUT

ration. 10 ... 90%, 0 ... 5 V, 1 ... 6 V,  
0 ... 10 V, 4 ... 20 mA

### ACCURACY

< 0.5% fs

### ELECTRICAL CONNECTION

Cabel 1.5 m

### PRESSURE CONNECTION

Inside thread or outside thread

- + Compact and rugged construction for highest operational reliability
- + Negligible temperature influence on accuracy
- + Excellent EMC capacity
- + IP 69K



## PRESSURE TRANSMITTER TYPE 519

The pressure transmitter type 519 has a compact and robust design and a very high measurement accuracy. The flush diaphragm offers the use in the process technique of pasty media. Beside various pressure- and electrical connectors there are pressure ranges from 400 mbar to 60 bar full scale available. This sensor utilises a ceramic technology, developed by Huba Control and for the last 20 years, in millions of applications.

### MEDIUM

Liquids and gases

### PRESSURE RANGE

0 ... 0.4 – 60 bar

### OUTPUT

ration. 10 ... 90%, 0 ... 5 V, 1 ... 6 V, 0 ... 10 V,  
4 ... 20 mA

### ACCURACY

± 0.3% fs

### ELECTRICAL CONNECTION

Connector DIN EN 175301-803-A or C,  
connector M12x1

### PRESSURE CONNECTION

Outside thread

- + Flush diaphragm
- + Very high measurement accuracy
- + Excellent thermal characteristic
- + There are low pressure ranges from 400 mbar full scale available
- + Compact and rugged construction
- + Available with temperature measurement



## PRESSURE TRANSMITTER

### TYPE 520

The compact Type 520 pressure transmitter is based upon the Huba Control developed thick film technology where the pressure measuring cell is fully welded. This transmitter meets the high burst protection demands and is suitable for the use in all types of refrigerants including ammonia.

## IO-Link



### MEDIUM

Liquids, gases and refrigerants

### PRESSURE RANGE

-1 ... 9 bar / 0 ... 2.5 – 1000 bar

### OUTPUT

0 ... 5 V, 1 ... 6 V, 0 ... 10 V,  
ratiom. 10 ... 90% , 4 ... 20 mA , IO-Link

### ACCURACY

typ. < 0.3% fs

### ELECTRICAL CONNECTION

Swift connector, metri pack serie 150, connector DIN 175301-803-A or C, M12x1, braids, connector RAST 2.5

### PRESSURE CONNECTION

Inside thread or outside thread

- + Compact and rugged construction
- + Welded construction - no elastomer seals
- + Saving time by quick cable mounting by the customer with swift connector
- + Wide choice of connections available



## PRESSURE TRANSMITTER

### TYPE 522

The compact Type 522 pressure transmitter for shipbuilding is based upon the Huba Control developed thick film technology where the pressure measuring cell is fully welded. Applications requiring high burst pressure can be met with the Type 522 which is also certificated to meet the leading shipbuilding requirements.

### MEDIUM

Liquids, gases and refrigerants

### PRESSURE RANGE

0 ... 2.5 – 600 bar

### OUTPUT

0 ... 10 V, 4 ... 20 mA 

### ACCURACY

typ. < 0.3% fs

### ELECTRICAL CONNECTION

Connector DIN 175301-803-A, M12x1, swift connector

### PRESSURE CONNECTION

Inside thread or outside thread

- + Compact and rugged construction
- + Welded construction - no elastomer seals
- + Certified for shipbuilding with: Germanischer Lloyd | American Bureau of Shipping | Bureau Veritas | Det Norske Veritas | Lloyd's Register



## PRESSURE TRANSMITTER

### TYPE 525

The pressure transmitter type 525 has a compact and robust design and a very high measurement accuracy. The pressure transmitter with its large variety of pressure- and electrical connection has also pressure ranges from 50 mbar full scale. The compact 525 pressure transmitter is based upon the well proven ceramic technology developed by Huba Control over 20 years ago.

### MEDIUM

Liquids and gases

### PRESSURE RANGE

0 ... 0.05 – 0.6 bar

### OUTPUT

0 ... 5 V, 0 ... 10 V, 4 ... 20 mA  
ratiom. 10 ... 90%

### ACCURACY

± 0.35% FS

### ELECTRICAL CONNECTION

Stecker DIN 175301-803-A oder C, M12x1, swift connector

### PRESSURE CONNECTION

Inside thread or outside thread

- + Very high measurement accuracy
- + Excellent thermal characteristic
- + Compact and rugged construction
- + Large selection of electrical and pressure connections available
- + Pressure ranges from 50 mbar full scale available



## PRESSURE TRANSMITTER

### TYPE 526

The compact type 526 pressure transmitter is based upon the well proven ceramic technology developed by Huba Control over 20 years ago. The pressure transmitter with its large variety of pressure- and electrical connection has also pressure ranges from 100 mbar full scale. These units are available in high quantities for OEM customers with an excellent price to performance ratio.

#### MEDIUM

Liquids and gases

#### PRESSURE RANGE

0 ... 0.1 – 0.6 bar

#### OUTPUT

ratim. 10 ... 90%

#### ACCURACY

± (1.8 mbar + 0.2% fs)

#### ELECTRICAL CONNECTION

Connector DIN 175301-803-A or C, M12x1

#### PRESSURE CONNECTION

Inside thread or outside thread

- + Compact and rugged construction
- + Ideal price / performance ratio
- + Pressure ranges from 100 mbar full scale available
- + Large selection of electrical and pressure connections available



## PRESSURE TRANSMITTER

### TYPE 527

The compact Type 527 pressure transmitter is based upon the well proven ceramic technology developed by Huba Control over 20 years ago. These transmitters are suitable for applications across a broad spectrum of industries and shipbuilding.

#### MEDIUM

Liquids and gases

#### PRESSURE RANGE

0 ... 1 – 60 bar

#### OUTPUT

0 ... 10 V, 4 ... 20 mA 

#### ACCURACY

typ. < 0.3% fs

#### ELECTRICAL CONNECTION

Connector DIN 175301-803-A, M12x1, swift connector

#### PRESSURE CONNECTION

Inside thread or outside thread

- + Compact and rugged construction
- + Negligible temperature influence on accuracy
- + Certified for shipbuilding with: Germanischer Lloyd | American Bureau of Shipping | Bureau Veritas Det Norske Veritas | Lloyd's Register



## PRESSURE TRANSMITTER

### TYPE 528

The compact Type 528 pressure transmitter is based upon the well proven ceramic technology developed by Huba Control over 20 years ago.

These transmitters are suitable for applications across a broad spectrum of industries.

## IO-Link



#### MEDIUM

Liquids and gases

#### PRESSURE RANGE

-1 ... 0 – 60 bar

#### OUTPUT

0 ... 5 V, 1 ... 6 V, 0 ... 10 V, ratim. 10 ... 90% , 4 ... 20 mA , IO-Link

#### ACCURACY

typ. < 0.3% fs

#### ELECTRICAL CONNECTION

Swift connector, metri pack serie 150, connector DIN 175301-803-A or C, M12x1, braids, connector RAST 2.5

#### PRESSURE CONNECTION

Inside thread or Outside thread

- + Compact and rugged construction
- + Negligible temperature influence on accuracy
- + Saving the customer time with the swift connector cable mounting system
- + Wide choice of connections available



## PRESSURE TRANSMITTER

### TYPE 540

The  $\mu$ P-regulated, programmable pressure transmitter Type 540 has a robust industry design. The parameters are easily adjustable with two function keys in the configuration menu which enable up to two switching points to be set. All systems are equipped with a diagnostic function. The large 4 digit LED display assures a good accuracy of reading.

The pressure transmitter Type 540 is based upon the Huba Control developed thick film technology where the pressure measuring cell is fully welded.

#### MEDIUM

Liquids and gases

#### PRESSURE RANGE

0 ... 60 – 600 bar

#### OUTPUT

0 ... 10 V, 4 ... 20 mA

#### ACCURACY

< 1.0% fs

#### ELECTRICAL CONNECTION

M12x1

#### PRESSURE CONNECTION

Inside thread or outside thread

- + Compact and rugged construction
- + High over pressure
- + Clearly readable display
- + Diagnostic function
- + Up to 2 programmable switching outputs



## PRESSURE TRANSMITTER

### TYPE 548

The  $\mu$ P-regulated, programmable pressure transmitter Type 548 has a robust industry design. The parameters are easily adjustable with two function keys in the configuration menu which enable up to two switching points to be set. All systems are equipped with a diagnostic function. The large 4 digit LED display assures a good accuracy of reading. The pressure transmitter Type 548 is based upon the well proven ceramic technology developed by Huba Control over 20 years ago.

#### MEDIUM

Liquids and gases

#### PRESSURE RANGE

-1 ... 0 – 40 bar

#### OUTPUT

0 ... 10 V, 4 ... 20 mA

#### ACCURACY

< 1.0% fs

#### ELECTRICAL CONNECTION

M12x1

#### PRESSURE CONNECTION

Inside thread or outside thread

- + Compact and rugged construction
- + High over pressure
- + Clearly readable display
- + Diagnostic function
- + Up to 2 programmable switching outputs



## PRESSURE TRANSMITTER

### TYPE 550

The pressure transmitter type 550 meets the highest requirements for mobile hydraulic applications. This sensor is available with protection standard IP 67 or IP 69K. The standard pressure orifice prevents damage due to pressure peaks. The compact and rugged design meets the requirement of shock- and vibration stability according road vehicle standards ISO 16750. The pressure transmitter type 550 guarantees highest EMC stability according to various road vehicle regulations with test level up to 100V/m.

#### MEDIUM

Liquids and gases

#### PRESSURE RANGE

0 ... 40 – 600 bar

#### OUTPUT

0 ... 5 V, 0 ... 10 V, 4 ... 20 mA, ratiom. 10 ... 90%

#### ACCURACY

< 0.5% fs

#### ELECTRICAL CONNECTION

Kostal SLK 2.8, AMP-JPT, AMP Superseal 1.5, Deutsch DT04-3P, Deutsch DT04-4P, M12x1, Metri Pack Serie 150

#### PRESSURE CONNECTION

Outside thread

- + Compact and rugged construction for high operating reliability
- + Welded construction – no elastomer seals
- + Negligible temperature influence on accuracy
- + Excellent EMC capacity
- + Wide choice of connections available





## PRESSURE TRANSMITTER

### TYP 555

The pressure transmitter type 555 has been developed for alternative drive systems. This high-pressure transmitter is suitable for vehicles and stationary applications thanks to the hydrogen approval acc. EC79.

The compact and rugged design meets the requirement of shock- and vibration stability according to the road vehicle standards ISO 16750. The measuring cell is based upon the Huba Control developed thick film technology on stainless steel and is fully hermetically welded.

#### MEDIUM

Gaseous hydrogen

#### Pressure range

0 ... 40 – 900 bar

#### Output

0 ... 5 V, 0 ... 10 V, 4 ... 20 mA  
ratiom. 10 ... 90%

#### ACCURACY

< 0.5% FS

#### ELECTRICAL CONNECTION

Kostal SLK 2.8, AMP-JPT, AMP Superseal 1.5, Deutsch DT04-3P, Deutsch DT04-4P, M12x1, Metri Pack Serie 150

#### PRESSURE CONNECTION

Inside thread

- + Suitable for gaseous hydrogen
- + Compact and rugged construction for highest operational reliability
- + Welded without sealing parts, no elastomer seals
- + Excellent EMC capacity
- + Negligible temperature influence on accuracy



## PRESSURE TRANSMITTER

### TYPE 558

The pressure transmitter type 558 meets the highest requirements for the industry and vehicle manufacturing. This sensor is available with protection standard IP67 or IP69K. The optional pressure orifice prevents damage due to pressure peaks. The compact and rugged design meets the requirement of shock- and vibration stability according to road vehicle standards ISO 16750. The pressure transmitter type 558 guarantees highest EMC stability according to various road vehicle regulations with test level up to 100V/m.

#### MEDIUM

Liquids and gases

#### PRESSURE RANGE

0 ... 6 – 60 bar

#### OUTPUT

0 ... 5 V, 0 ... 10 V, 4 ... 20 mA  
ratiom. 10 ... 90%

#### ACCURACY

< 0.5% fs

#### ELECTRICAL CONNECTION

Kostal SLK 2.8, AMP-JPT, AMP Superseal 1.5, Deutsch DT04-3P, Deutsch DT04-4P, M12x1, Metri Pack Serie 150

#### PRESSURE CONNECTION

Outside thread

- + Compact and rugged construction for high operating reliability
- + Negligible temperature influence on accuracy
- + Excellent EMC capacity
- + Wide choice of connections available



## PRESSURE TRANSMITTER

### TYPE 680

The pressure transmitters of Type 680 with piezoresistive measuring elements have compensated, calibrated and amplified sensor signals which are available as standard voltage or current outputs. The transmitter housing is available with various pressure and electrical connections.

#### MEDIUM

Liquids and gases

#### PRESSURE RANGE

0 ... 0.1 – 1000 bar

#### OUTPUT

0 ... 5 V, 0 ... 10 V, 4 ... 20 mA 

#### ACCURACY

< 0.25% fs (< 0.05% fs on request)

#### ELECTRICAL CONNECTION

Cable in several lengths, Lumberg RSF4 or RSF50, connector DIN EN 175301-803-A, Binder 723

#### PRESSURE CONNECTION

Inside thread or outside thread

- + Effective overload protection due to chemically etched chip diaphragm and specially designed glass gland
- + Compact construction with SMD technology enhances operational reliability in the presence of shock and vibration
- + Welded construction provides 100% sealing against media



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