



pressure transmitters for general purpose

Accuracy 0,5% - 0,2% as optional



MPS500 Series

Description

MPS500 series pressure transmitters are suitable for liquids, gas pressure measuring and controlling in the moderate media, with sensor probe working very well with long term stability at the high temperature of 85°C

The measuring ranges, graded in accordance with EN, range from -1 bar to the maximum pressure range of 2500 bar. The case and wetted parts comprise stainless steel and are thus resistant to chemically aggressive media. The pressure connection and measuring element are welded together, making the measuring system particularly resistant to mechanical shock or vibration.

Features

- Compact design
- Protection type IP 65 or IP67 as optional
- Corrosion resistant stainless steel design
- Wide Measuring Range
- Simple Installation
- Various Output Signal

Measuring Ranges

| Code | Range | Code | Range | Code | Range |
|------|--------------|------|-------------|------|----------------|
| 001 | 0...25 mBar | 010 | 0...1,6 Bar | 019 | 0...100 Bar |
| 002 | 0...40 mBar | 011 | 0...2,5 Bar | 020 | 0...160 Bar |
| 003 | 0...60 mBar | 012 | 0...4 Bar | 021 | 0...250 Bar |
| 004 | 0...100 mBar | 013 | 0...6 Bar | 022 | 0...400 Bar |
| 005 | 0...160 mBar | 014 | 0...10 Bar | 023 | 0...600 Bar |
| 006 | 0...250 mBar | 015 | 0...16 Bar | 024 | 0...1000 Bar |
| 007 | 0...400 mBar | 016 | 0...25 Bar | 025 | 0...1600 Bar |
| 008 | 0...600 mBar | 017 | 0...40 Bar | 026 | 0...2500 Bar |
| 009 | 0...1 Bar | 018 | 0...60 Bar | XXX | Special Ranges |



MPS500 Series

Technical Specification

Accuracy

±0.5% FS for MPS500
±0.2% FS for MPS501

Overpressure

Full scale ranges up to 16 bar – 2,5x
Above 16 to 600 bar - 2x
Above 600 bar – 1,5x

Operating Temperature Range

-40° to +85° C

Compensated Temperature Range

0° to +80° C

Electrical

2-wire, 4-20 mA, 10-36 Vdc power
Option : 0-5 VDC or 0-10 VDC*
*Supply should be 14 VDC min.

Body

Wetted Parts are Stainless Steel AISI 316L
Body tube is AISI304. Other, on request

Electrical Connection

DIN 43650A or cable connection

Protection Degree

IP65, IP67 as optional

Process Connection

1/4", 1/2", 3/4", 1" NPT or G

Hysteresis, Repeatability

0,05% of FS

Stability

0,15% of FS/year

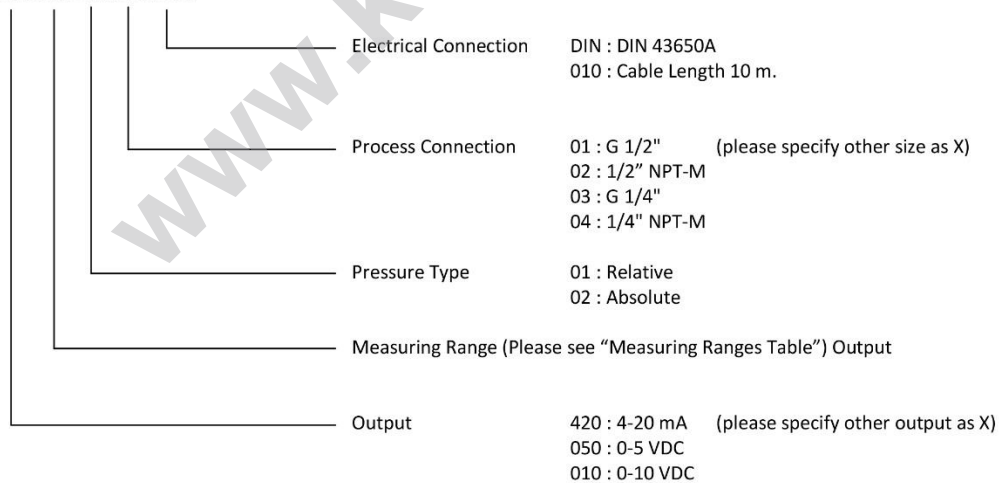
Zero Balance

+/- 5 % full scale

Ordering

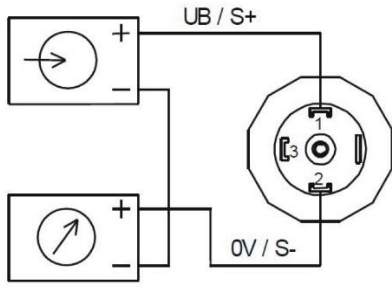
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MPS501.

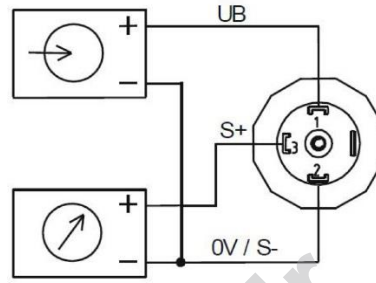




Wiring

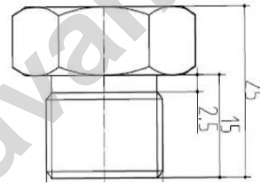
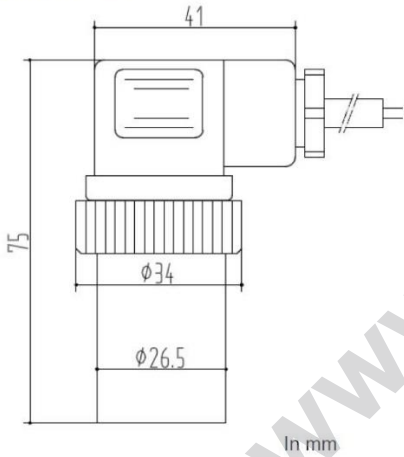


4-20 mA, 2 wire



0-10 VDC

Dimensions



In mm



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pressure transmitters for general purpose

Accuracy 0,5% ops.0,2%

MPS520 Series



Description

MPS520 series pressure transmitters are suitable for liquids, gas pressure measuring and controlling in the moderate media, with sensor probe working very well with long term stability at the high temperature of 85°C

The measuring ranges, graded in accordance with EN, range from -1 bar to the maximum pressure range of 600 bar. The case and wetted parts comprise stainless steel and are thus resistant to chemically aggressive media. The pressure connection and measuring element are welded together, making the measuring system particularly resistant to mechanical shock or vibration.

Features

- Compact design
- Protection type IP 65 or IP67 and IP68 as optional
- Corrosion resistant stainless steel design
- Wide Measuring Range
- Simple Installation
- Various Output Signal

Measuring Ranges

| Code | Range | Code | Range | Code | Range |
|------|--------------|------|-------------|------|----------------|
| 001 | 0...25 mBar | 010 | 0...1,6 Bar | 019 | 0...100 Bar |
| 002 | 0...40 mBar | 011 | 0...2,5 Bar | 020 | 0...160 Bar |
| 003 | 0...60 mBar | 012 | 0...4 Bar | 021 | 0...250 Bar |
| 004 | 0...100 mBar | 013 | 0...6 Bar | 022 | 0...400 Bar |
| 005 | 0...160 mBar | 014 | 0...10 Bar | 023 | 0...600 Bar |
| 006 | 0...250 mBar | 015 | 0...16 Bar | XXX | Special Ranges |
| 007 | 0...400 mBar | 016 | 0...25 Bar | | |
| 008 | 0...600 mBar | 017 | 0...40 Bar | | |
| 009 | 0...1 Bar | 018 | 0...60 Bar | | |



MPS520 Series

Technical Specification

Accuracy

±0.5% FS for MPS520
±0.2% FS for MPS525

Overpressure

Full scale ranges up to 16 bar – 2,5x
Above 16 to 600 bar - 2x

Operating Temperature Range

-40° to +85° C

Compensated Temperature Range

0° to +80° C

Electrical

2-wire, 4-20 mA, 10-36 Vdc power
Option : 0-5 VDC or 0-10 VDC*
*Supply should be 14 VDC min.

Body

Wetted Parts are Stainless Steel AISI 316L
Body tube is AISI304. Other, on request

Electrical Connection

DIN 43650C, pin connector, cable connection

Protection Degree

IP65, IP67 and IP68 as optional

Process Connection

1/4" or Metric

Hysteresis, Repeatability

0,05% of FS

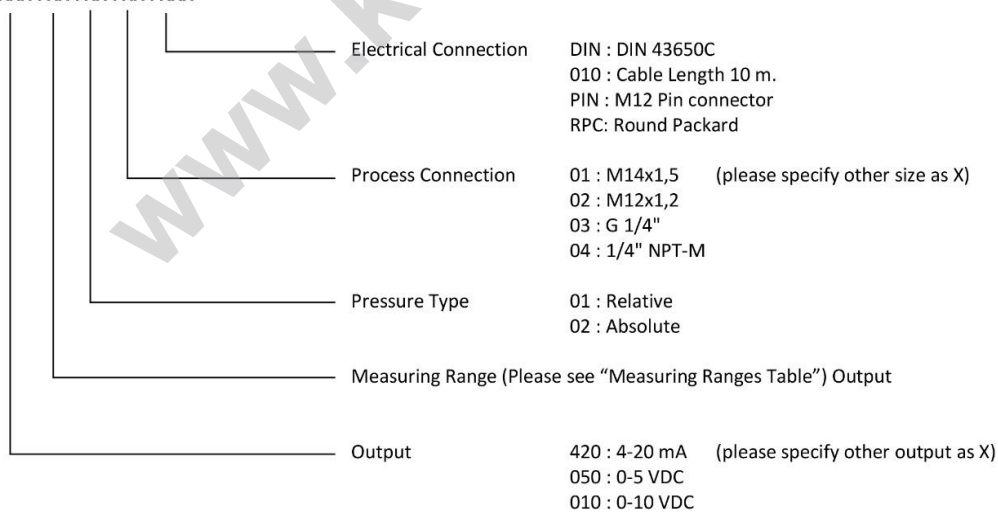
Stability

0,15% of FS/year

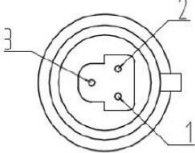
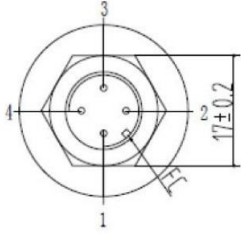
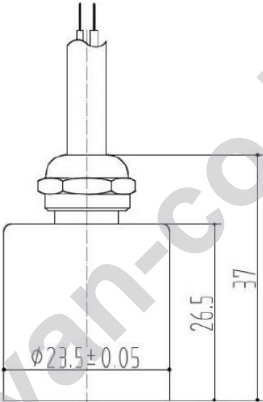
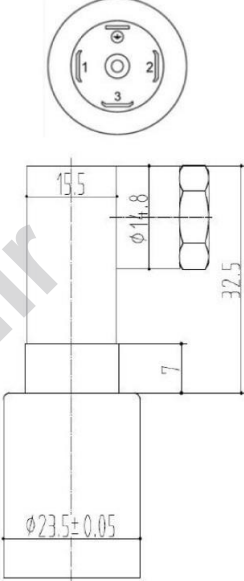
Ordering

MPS520 . XXX . XX . XX . XX . XXX

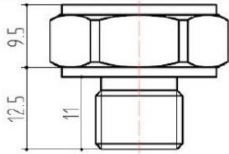
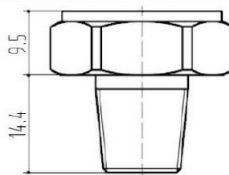
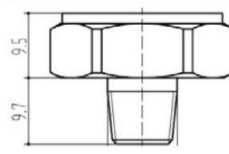
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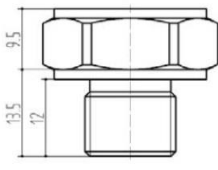
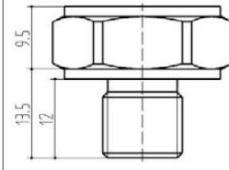
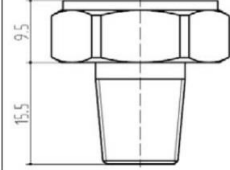
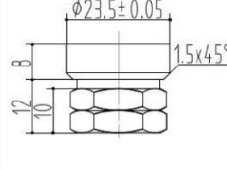


Wiring

| Round Packard | | M12×1P | | Cable outlet | | Mini 4 pin | |
|---|---|---|--|---|--|--|---|
|  | |  | |  | |  | |
| In mm | | In mm | | In mm | | In mm | |
| C1 | | C2 | | C3 | | C4 | |
| Current (2 wire) | Voltage (3 wire) | Current (2 wire) | Voltage (3 wire) | Current (2 wire) | Voltage (3 wire) | Current (2 wire) | Voltage (3 wire) |
| Pin 1 +Excitation Pin2 +Output Pin 3 Pending | Pin 1 +Excitation Pin 2 –Excitation Pin 3 +Output | Pin 1 +Excitation Pin2 +Output Pin 3 Pending Pin 4 Pending | Pin1 +Excitation Pin2 +Output Pin 3 -Excitation Pin 4 Pending | Red: +Excitation Green: +Output | Red +Excitation Green –Excitation Yellow +Output | Pin1 +Excitation Pin2 +Output Pin 3 Pending | Pin1 +Excitation Pin2 –Excitation Pin 3 +Output |

Dimensions

| Thread | G1/4 | 1/4-18NPT | 1/8-27NT |
|--------------------------------|---|---|--|
| Dimension in mm Hex 24mm |  |  |  |
| Code | 03 | 04 | XX |

| Thread | M14×1.5 | M12×1.5 | 1/4-19PT | 7/16-20UNF(female) |
|--------------------------------|---|---|--|---|
| Dimension in mm Hex 24mm |  |  |  |  |
| Code | 01 | 02 | XX | XX |

XX : Please specify in order



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pressure transmitters for high viscous media – flush diaphragm

Accuracy 0,5%

MPS530 Series



Description

MPS530 series pressure transmitters are suitable for liquids, dirty fluids pressure measuring and controlling in the moderate and high viscous media, with sensor probe working very well with long term stability at the high temperature of 125°C

The measuring ranges, graded in accordance with EN, range from -1 bar to the maximum pressure range of 400 bar.

The case and wetted parts comprise stainless steel and are thus resistant to chemically aggressive media. The pressure connection and measuring element are welded together, making the measuring system particularly resistant to mechanical shock or vibration.

- Compact design
- Protection type IP 65 or IP67 as optional
- Corrosion resistant stainless steel design
- High viscosity resistance
- Wide Measuring Range
- Simple Installation
- Flush Diaphragm
- Various Output Signal

Measuring Ranges

| Code | Range | Code | Range | Code | Range |
|------|--------------|------|--------------|------|----------------|
| 001 | 0...25 mBar | 010 | 0... 1,6 Bar | 019 | 0...100 Bar |
| 002 | 0...40 mBar | 011 | 0...2,5 Bar | 020 | 0...160 Bar |
| 003 | 0...60 mBar | 012 | 0...4 Bar | 021 | 0...250 Bar |
| 004 | 0...100 mBar | 013 | 0...6 Bar | 022 | 0...400 Bar |
| 005 | 0...160 mBar | 014 | 0...10 Bar | XXX | Special Ranges |
| 006 | 0...250 mBar | 015 | 0...16 Bar | | |
| 007 | 0...400 mBar | 016 | 0...25 Bar | | |
| 008 | 0...600 mBar | 017 | 0...40 Bar | | |
| 009 | 0...1 Bar | 018 | 0...60 Bar | | |



MPS530 Series

Technical Specification

Accuracy

±0.5% FS

Overpressure

Full scale ranges up to 16 bar – 2,5x
Above 16 to 400 bar - 2x

Wetted Parts

AISI316

Operating Temperature Range

-40° to +125° C

Compensated Temperature Range

0° to + 80° C

Electrical

2-wire, 4-20 mA, 10-36 Vdc power

Option : 0-5 VDC or 0-10 VDC*

*Supply should be 14 VDC min.

Body

Stainless Steel AISI 304

Other, on request

Electrical Connection

DIN 43650A or cable connection

Protection Degree

IP65, IP67 as optional

Process Connection

1/2", 3/4", 1" NPT or G

Hysteresis, Repeatability

0,05% of FS

Stability

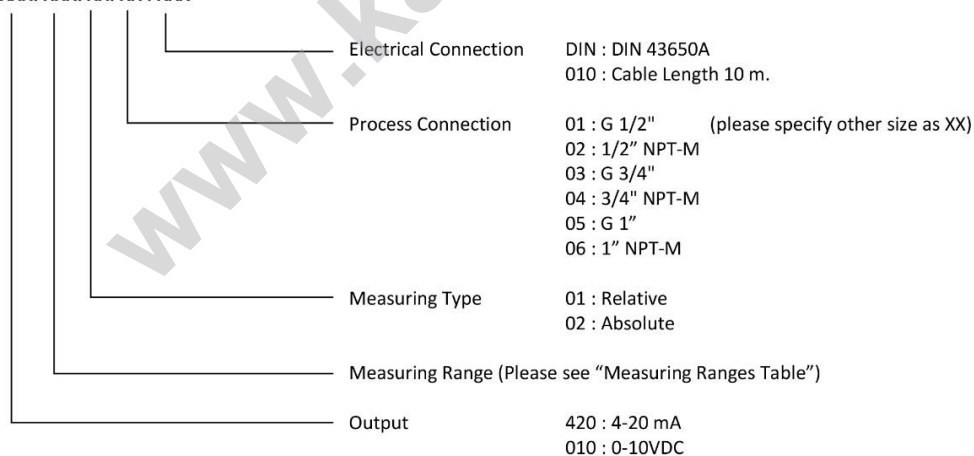
0,15% of FS/year

Zero Balance

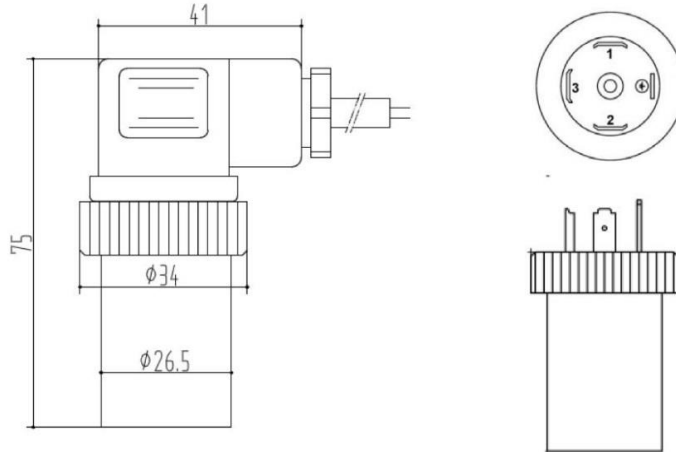
+/- 5 % full scale

Ordering

MPS530 . XXX . XXX . XX . XX . XXX



Wiring and Dimensions



| | | |
|--------|-------|-------------|
| 2 wire | Pin 1 | +Excitation |
| | Pin 2 | +output |
| | Pin 3 | pending |
| 3 wire | Pin 1 | +Excitation |
| | Pin 2 | -Excitation |
| | Pin 3 | +Output |

| Thread | M20×1.5 | G1/2 | G1 |
|--------------|---------|------|----|
| Dimension in | 8 | 8 | 4 |
| mm | 12.5 | 12.5 | 12 |
| Hex 27mm | 9.5 | 9.5 | 4 |
| | M20×1.5 | G1/2 | G1 |



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