

MPS520

Miniature Pressure Transmitter



OVERVIEW

Operation

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.

Features

- Compact design
- Protection type IP65 or IP67 as optional
- Corrosion resistant stainless steel design
- Wide measuring range
- Simple installation
- Various output signal

Application

- Fluids and gas pressure measuring and controlling
- Chemical industry



OPERATING DATA

Temperature Limit

-40...85°C

Compensated Temperature Limit

0...80°C

Stability

0.15% of FS/year

Accuracy

0.1 of FS/year

±0.2% FS on request

Over Pressure

Full scale range up to 16 bar-2.5x

Above 16 to 600bar - 2x

Repeatability

±0.05 % of Full scale

MEASURING RANGES

Maximum Pressure Range

0-600 bar

MATERIALS

Wetted Parts

AISI316L

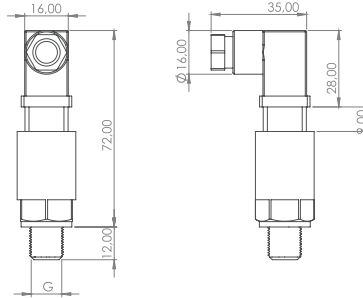
Body Tube

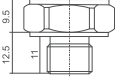
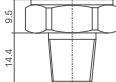
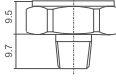
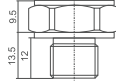
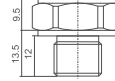
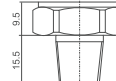
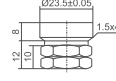
AISI304

Others

On request

TECHNICAL DRAWING AND DIMENSIONS



Thread	G1/4	1/4-18NPT	1/8-27NPT	M14x1,5
Dimensi on in mm Hex 24 mm				
Code	01	02	XX	XX
Thread	M12x1,5	1/4-19PT	7/16-20UNF(female)	
Dimensi on in mm Hex 24 mm				
Code	XX	XX	XX	



CONNECTION

Standard

1/4" or Metric

ELECTRICAL DATA

Output

2 wires, 4-20 mA

Power Supply

10-36 VDC power

Option

0-5 VDC or 0-10 VDC

Supply should be 14 VDC minimum

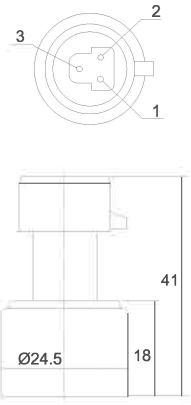
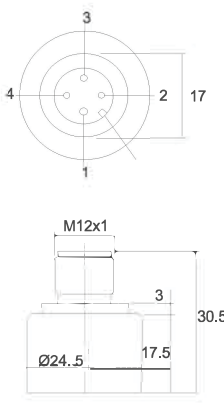
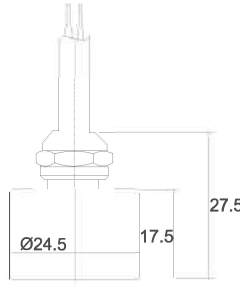
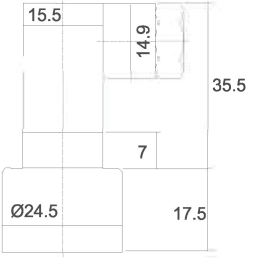
Electrical Connection

DIN 43650A, pin connector, cable connection

Enclosure

IP65, IP67 and IP68 on request

WIRING

Round Packard		M12x1P		Cable Outlet		Mini 4 Pin	
							
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 Pin 2 +Output Pin 3 Pending	Pin 1 +Excitation Pin 2 -Excitation Pin 3 +Output	Pin 1 +Excitation Pin 2 +Output Pin 3 Pending Pin 4 Pending	Pin 1 +Excitation Pin 2 +Output Pin 3 -Excitation Pin 4 Pending	Red +Excitation Green +Output	Red +Excitation Green -Excitation Yellow +Output	Pin 1 +Excitation Pin 2 +Output Pin 3 Pending	Pin 1 +Excitation Pin 2 -Excitation Pin 3 +Output



MEASURING RANGES

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

ORDERING

Model	
MPS520	Miniature Pressure Transmitter

Output	
420	4-20 mA (Please specify other output as X)
050	0-5 VDC
010	0-10 VDC

Measuring Range	
XXX	Please Look at Measuring Range Table

Measuring Type	
01	Relative
02	Absolute

Process Connection	
01	M14x1.5 (please specify other size as X)
02	M12x1.2
03	G 1/4"
04	1/4" NPT-M

Electrical Connection	
DIN	DIN 43650A
010	Cable length 10m.
PIN	Pin Connector M12
RPC	Round Packard

Hazardous Area	
N	None
Xi	II 1/2G Ex ia IIC T4 Gb(Ga)

