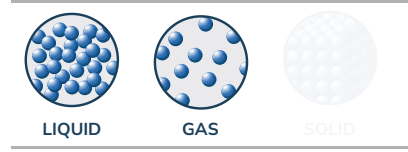


MPS100

OEM Pressure Transmitter



OVERVIEW

Operation

MPS100 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 125 °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

- Create consumption profiles to save energy
- Pressure and temperature-compensated flow measurement of compressed air
- Accurate determination of compressed air flow rates over a broad measuring range



OPERATING DATA

Temperature Limit

-40...125°C

Compensated Temperature Limit

-20...70°C

Stability

0.15% of FS/year

Accuracy

±1% FS for MPS100

±0.5%, ±0.2% FS on request

Over Pressure

Full scale range up to 16 bar-2.5x

Above 16 to 250bar - 2x

Repeatability

±0.05 % of Full scale

MEASURING RANGES

Maximum Pressure Range

0-250 bar

MATERIALS

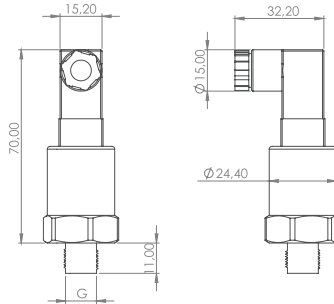
Wetted Parts

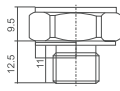
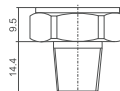
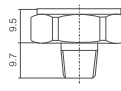
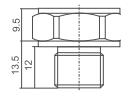
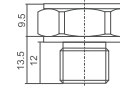
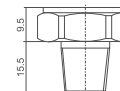
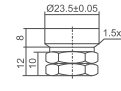
Ceramic , AISI316L on request

Body Tube

AISI304 , AISI316L on request

TECHNICAL DRAWINGS AND DIMENSIONS



Thread	G1/4	1/4-18NPT	1/8-27NT	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

Standart

G1/4", 1/4"NPT-M, G1/2"NPT-M

Others

On request

ELECTRICAL DATA

Output

2 wires, 4-20mA

Option

0,5-4,5 VDC, 0-5 VDC or 0-10 VDC
Supply should be 14 VDC minimum

Power Supply

10-36 VDC power

Electrical Connection

DIN43650A, pin connector, cable connection

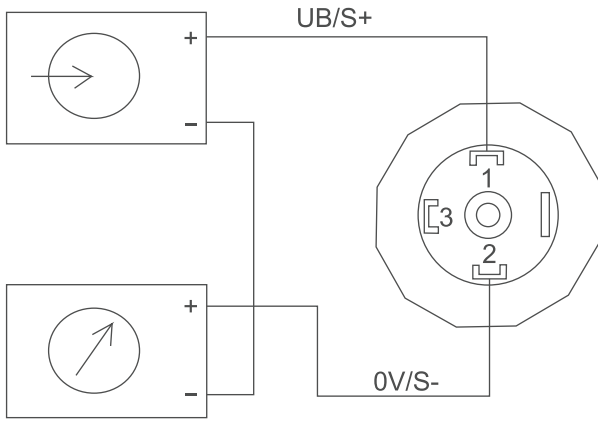
Others

On request

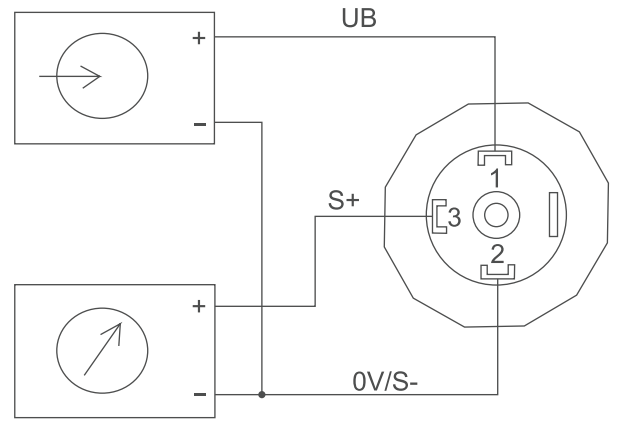
Enclosure

IP65, IP67 and IP68 on request

WIRING

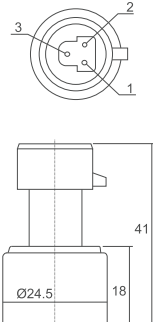
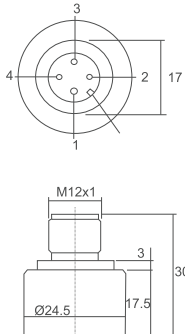
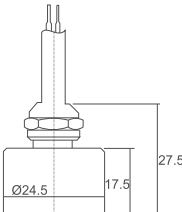
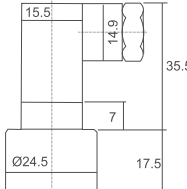
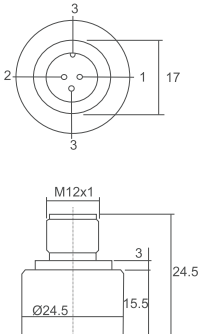


4-20 mA, 2 wires



0-10 VDC



Packard	M12*4P	Cable Outlet	Mini DIN43650	GX12-3						
										
RPC	PIN				010	DIN		XXX		
Current (2 wire)	Voltage (3 wire)	Current (2 wire)	Voltage (3 wire)	I2C (4 wire)	Current (2 wire)	Voltage (3 wire)	Current (2 wire)	Voltage (3 wire)	Current (2 wire)	Voltage (3 wire)
Pin1: Supply V+ Pin2: Output Pin3: N/A	Pin1: Supply V+ Pin2: Common Pin3: Output	Pin1: Supply V+ Pin2: Output Pin3: N/A Pin4: N/A	Pin1: Supply V+ Pin2: Output Pin3: Common Pin4: N/A	Pin1: Supply V+ Pin2: SCL Pin3: Common Pin4: SDA	Red: Supply V+ Green: Output	Red: Supply V+ Green: Common Yellow: Output	Pin1: Supply V+ Pin2: Output Pin3: N/A	Pin1: Supply V+ Pin2: Common Pin3: Output	Pin1: Supply V+ Pin2: Output Pin3: N/A	Pin1: Supply V+ Pin2: Common Pin3: Output

MEASURING RANGES

Code	Range	Code	Range	Code	Range
012	0...4 Bar	016	0...25 Bar	020	0...160 Bar
013	0...6 Bar	017	0...40 Bar	021	0...250 Bar
014	0...10 Bar	018	0...60 Bar		
015	0...16 Bar	019	0...100 Bar	XXX	Special Ranges



ORDERING

Model	
MPS100	OEM Pressure Transmitter

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

Measuring Range	
XXX	Please Look at Measuring Range Table

Pressure Type	
01	Relative

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

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

Accuracy	
10	±1% FS
05	±0.5% FS
02	±0.2% FS

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

