

MPS400

High Range Pressure Transmitter



OVERVIEW

Operation

MPS400 high range pressure transmitter choose high precision fail strain gauge as sensing element, has a unique integrated elast,c structure good stability and reability. Signal processing circuit is located in stainless steel casing which has the circuit is through strict aging process processing at the same time also has a good linear compensation function. This product is mainly used for high pressure super high pressure and impact pressure greatly.

Application

- Creating 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

Features

- Compact design
- Measuring diaphragm and pressure interface one-piece structure
- Corrosion resistant stainless steel design
- Wide measuring range
- Simple installation
- Resistance to vibration the instantaneous pressure impact resistance
- Various output signal



OPERATING DATA

Temperature Limit

-40°C... +125°C

Compensated Temperature Range

-10°C...125°C

Stability

0.15% of FS/year

Accuracy

±0.5% /±0.25%/±0.1%

Over Pressure

125% FS

Enclosure

IP65/IP67/IP68

Connection

M20x1,5

Life Time

≥5 million times cycles

MEASURING RANGES

Max Pressure Range

0-600 MPA

MATERIALS

Diaphragm

AISI316L

Body Tube

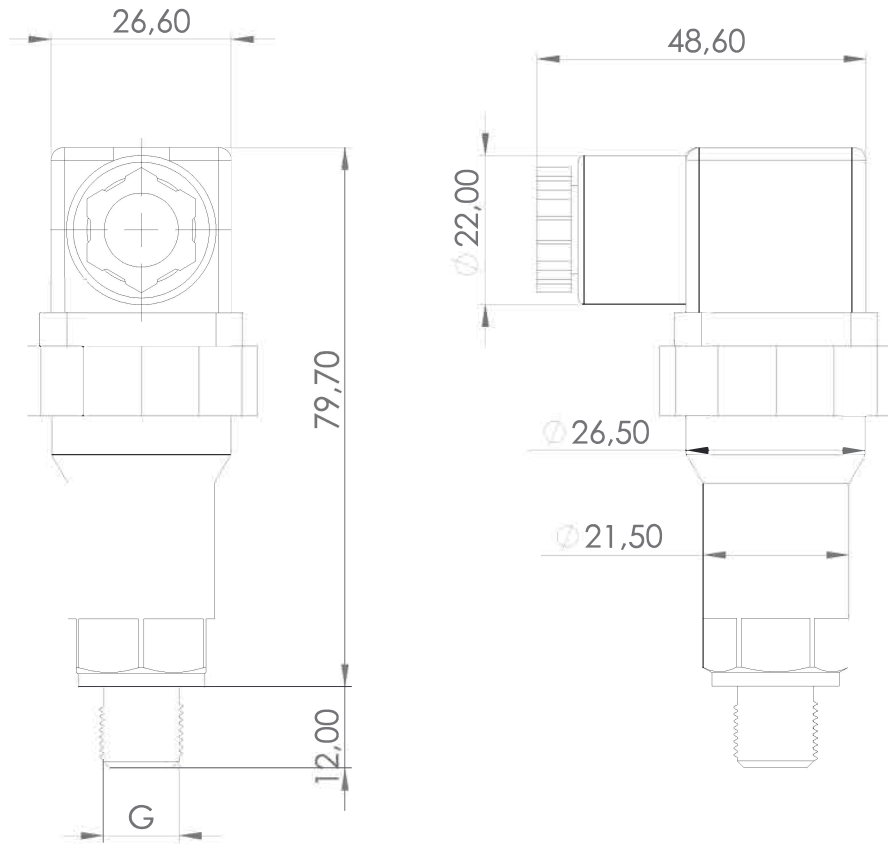
AISI304L

Socket

Polyamid 66



TECHNICAL DRAWING AND DIMENSIONS



ELECTRICAL DATA

Output

4-20 mA, 2 wires

Power Supply

9-30 VDC power

Option

0-5 VDC, 1-5 VDC or 0-10 VDC

Electrical Connection

DIN 4365A or cable connection

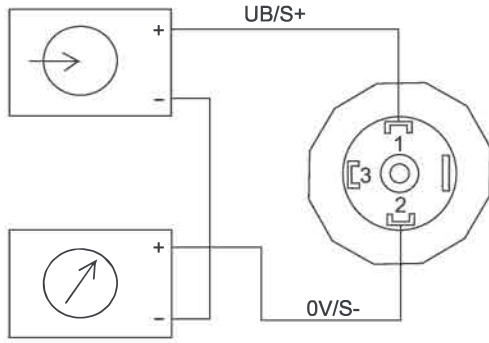
Communication

HART

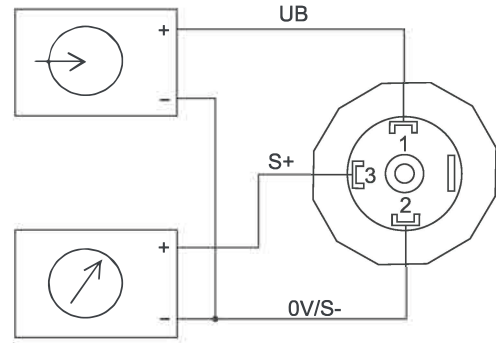


WIRING

Cable Outlet		Aviation Plug DIN43650		Gray Aviation Plug		
Current (2wire)	Voltage (3wire)	Current (2wire)	Voltage (3wire)	Current (2wire)	Voltage (3wire)	Voltage (3wire)
Red: Power+ Black: Signal+	Red: Power+ Black: Ground Green: Signal+	Red(1): Power+ Black(2): Signal+	Red(1): Power+ Black(2): Ground Green(3): Signal+	Black(1): Signal+ Red(4): Power+	Black(1): Signal+ Green(3): Ground Red(4): Power+	Black(1): Signal+ White(2): -12V Green(3): Ground Red(4): +12V



4-20 mA, 2 wires



0-10 VDC

APPROVAL

2004/108/EC, EN 61326-1, 10/2016, EN 61326-2-3, 05/2007, 2006/95/EC



ORDERING

Model	
MPS400	High Range Pressure Transmitter

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

Measuring Range	
XXX	Please write directly

Pressure Type	
01	Relative
02	Absolute

Process Connection	
01	G 1/4"
02	M20x1,5

Hazardous Area	
PIN	PIN Connector M12
DIN	DIN 43650A
010	Cable length 10m.

