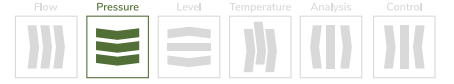


MPS600

Smart Pressure Transmitter



OVERVIEW

Description

MPS600 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 120°C

Application

- Level measurement
- Filtration
- Pump Test
- Pressure loss measurement
- Water treatment
- Textile machines

Features

- Compact design
- Protection type IP67 or Ex-proof as optional
- Corrosion resistant stainless steel design
- Wide measuring range
- Simple installation
- Various output signal
- High sensitivity
- MEMS technology
- Cost effective
- Short delivery



OPERATING DATA

Temperature Limit

-40°C... +120°C

Storage Temperature Limit

-40°C... +120°C

Stability

± 0,3% of URL for 5 years

Accuracy

± 0,2% URL

Overpressure

Full scale ranges x3

Turndown Ratio

10:1

Temperature Drift

± 0,05% of URL/10°C

Enclosure

IP67

MEASURING RANGES

Measuring Range

0-1000 Bar

MATERIALS

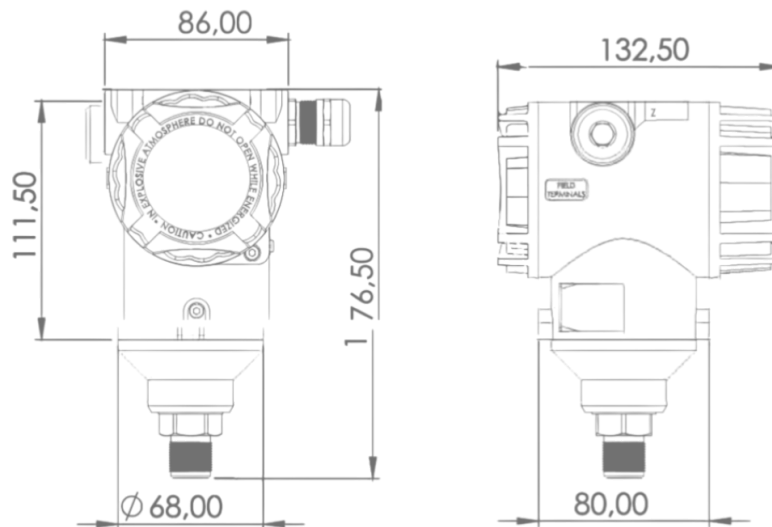
Wetted Parts

AISI316

Others

On request

TECHNICAL DRAWINGS AND DIMENSIONS



ELECTRICAL DATA

Output

2 wires, 4-20 mA
2 wires, 4-20 mA + HART

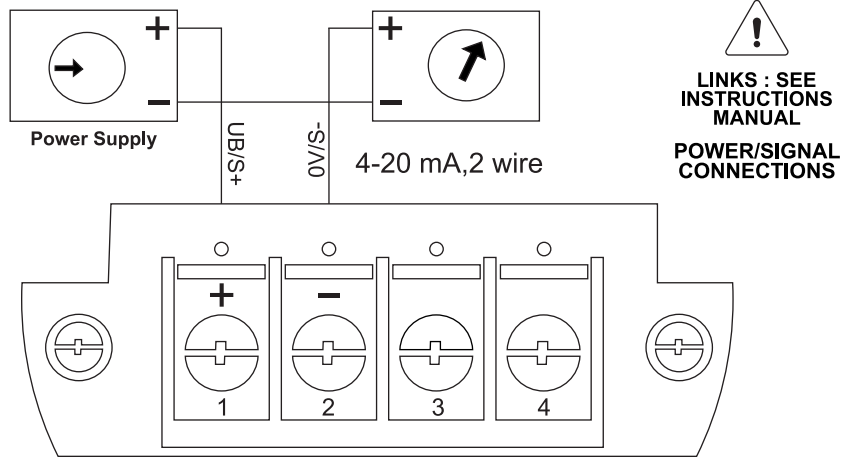
Power Supply

10.5-55 VDC power

Communication

Modbus

WIRING



MEASURING RANGES

Code	Range	Min.Span (mBar-Bar)
001	100 mBar	10
002	250 mBar	25
003	400 mBar	40
004	1 Bar	100
005	4 Bar	400
006	10 Bar	1000
007	40 Bar	4
008	100 Bar	10
009	250 Bar	25
0010	400 Bar	40
0011	700 Bar	70
0012	1000 Bar	100



ORDERING

Model	
MPS600	Smart Pressure Transmitter

Output	
420	4-20 mA
42M	MODBUS

Measuring Range	
XXX	Please look at the measuring range table

Diaphragm Material	
1	AISI 316L
2	ALLOYC-276

Connection Material	
04	AISI 304
16	AISI 316
HC	Hastelloy C

Connection Material	
GA	Male thread 1/2", inner hole 3mm
GB	Male thread 1/2", inner hole 11.4mm
GC	Female thread 1/2", inner hole 3mm
GD	Female thread 1/2", inner hole 11.4mm
KA	1-1/2" sanitary clamping, diaphragm 18mm
KC	2" sanitary clamping, isolation diaphragm 38mm
DA	DN25 flange, diaphragm 18mm
DB	DN50 flange, isolation diaphragm 38mm

Display	
N	LCD
L	None

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

