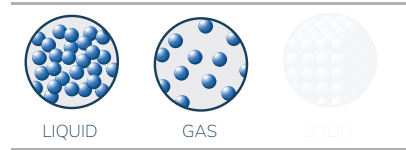


MSP3200

Smart Pressure Transmitter



OVERVIEW

Operation

MSP3200 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 25°C.

Application

- Pressure measurement and controlling for liquids, gas.
- Working with detecting element

Features

- Compact design
- Protection type IP67 or EX-proof as optional
- High sensitivity
- MEMS technology
- Cost effective
- Short delivery
- High pressure
- High long-term stability



OPERATING DATA

Temperature Limit

-40...125°C

Strong Temperature Limit

-45°C...125°C

Stability

±0.175% of URL for 5 years

Accuracy

±0.075% URL

Humidity Limit

0-100% relative

Temperature Drift

±0.03% of URL / 10°C

Overpressure

Full scale ranges x3

MEASURING RANGES

Available Ranges

-1 to 700 bar

MATERIALS

Wetted Parts

AISI 316

Others

On request

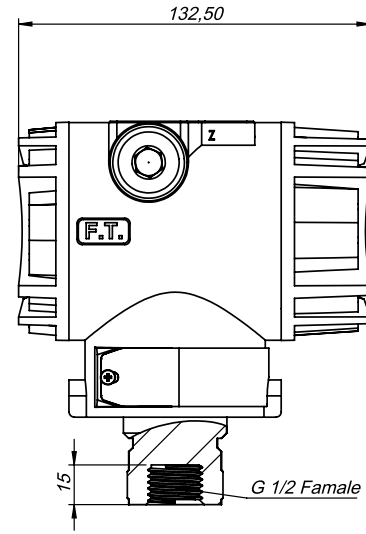
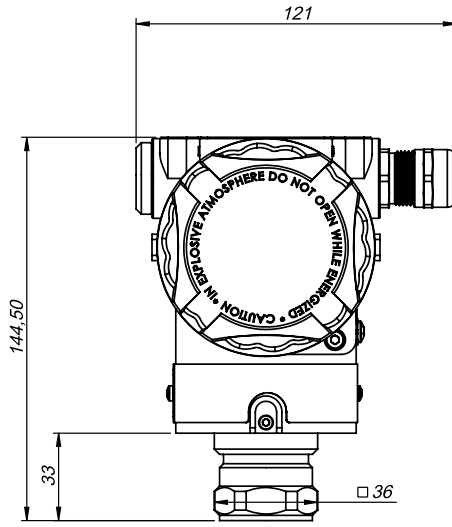
CONNECTION

Standard

1/2" NPT-F, others on request



TECHNICAL DRAWINGS AND DIMENSIONS



ELECTRICAL DATA

Output

2 wires, 4-20 mA
2 wires, 4-20 mA+HART MODBUS
(no analog output)

Power Supply

10.5-55 VDC power

ATEX Approval

Ex ia IIC T1....T6 Ga, Ex d IIC T6, T5, T4

Electrical Connection

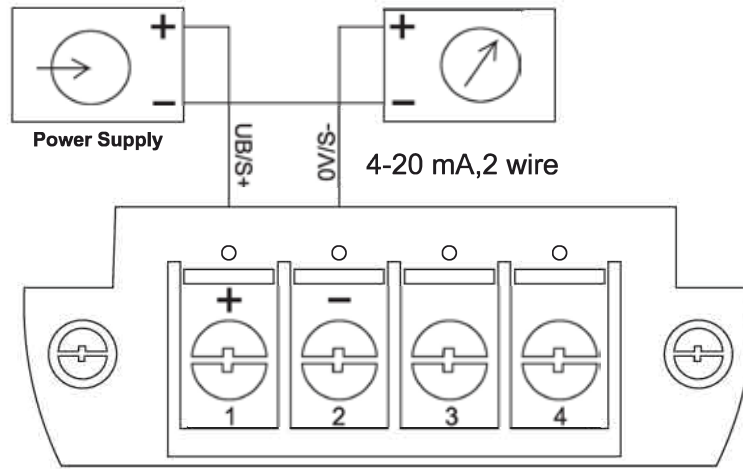
M20x1.5 - Aluminium or AISI316SS

Enclosure

IP67



WIRING



MEASURING RANGES

Code	Range	Min. Span	Code	Range	Min.Span
001	100 mBar	10 mBar	007	40 Bar	4 Bar
002	250 mBar	25 mBar	008	100 Bar	10 Bar
003	400 mBar	40 mBar	009	250 Bar	25 Bar
004	1 Bar	100 mBar	010	400 Bar	40 Bar
005	4 Bar	400 mBar	011	700 Bar	70 Bar
006	10 Bar	1 Bar			



ORDERING

Model	
MSP3200	Smart Pressure Transmitter

Approval	
A	For non-hazardous areas
Xi	Ex ia IIC T1...T6
Xd	Ex d IIC T6, T5, T4

Output	
H	4-20 mA + HART
M	MODBUS

Display	
A	No display
L	LCD

Measuring Range	
XXX	Please see "Measuring range table"

Pressure Type	
G	Relative "Gauge"
A	Absolute

Calibration	
1	Sensor range, mBar/Bar
2	Sensor range, kpa/Mpa
3	Sensor range, mmH2O/mH2O
4	Sensor range, psi

Diaphragm Material	
1	316L SST
2	Alloy C-276
X	On request

Process Connection	
01	1/2"NPT-F
02	1/2"NPT-M
03	G 1/2"
XX	Other size on request

