



Smart Pressure Transmitter

MSP600



LIQUID

GAS



OVERVIEW

Operation

MSP600 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

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

Application

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

OPERATING DATA

Temperature Limit	-40...120°C
Storage Temp. Limit	-40...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

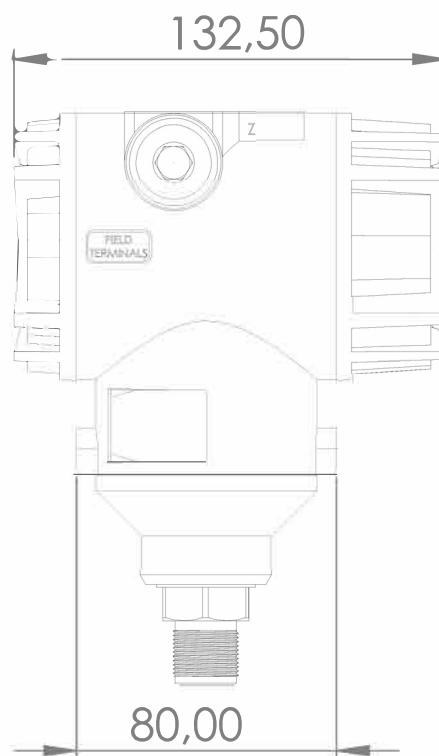
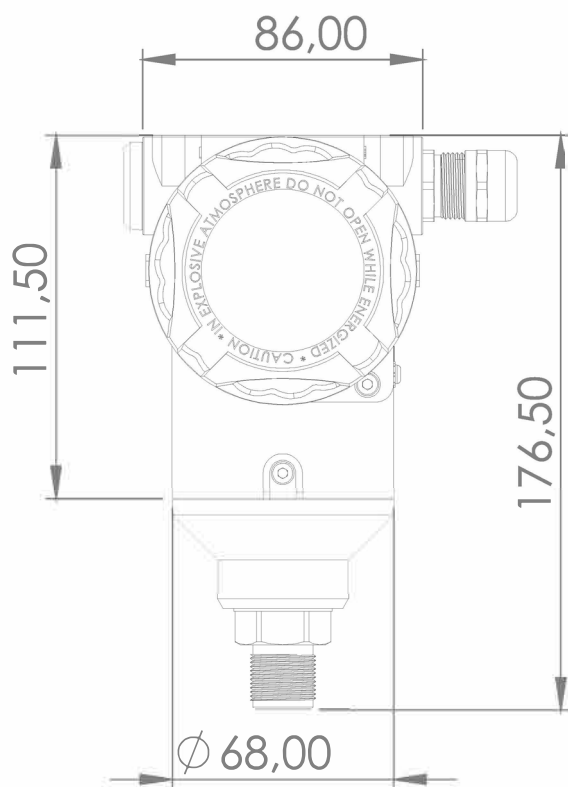
MEASURING RANGES

Measuring Range	0-1000 Bar
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MATERIALS

Wetted Parts	AISI316
Others	On request

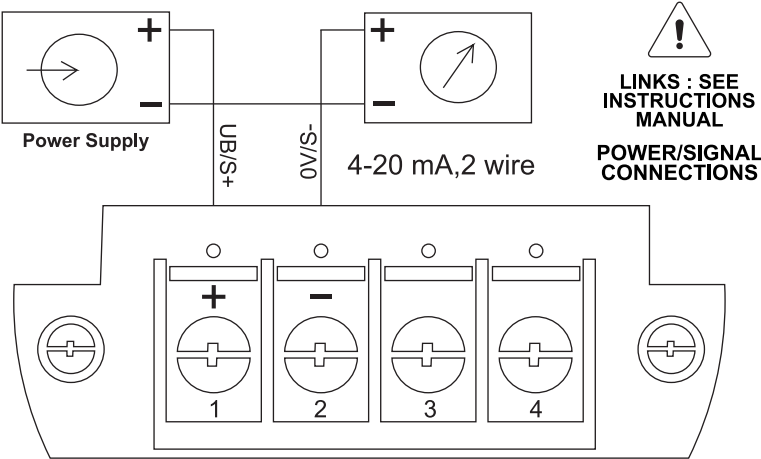
TECHNICAL DRAWINGS AND DIMENSIONS



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)	Code	Range	Min.Span (Bar)
001	100 mBar	10	007	40 Bar	4
002	250 mBar	25	008	100 Bar	10
003	400 mBar	40	009	250 Bar	25
004	1 Bar	100	010	400 Bar	40
005	4 Bar	400	011	700 Bar	70
006	10 Bar	1000	012	1000 Bar	100

ORDERING

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							ALLOY C-276
Connection Material			04						AISI 304
			16						AISI 316
			HC						Hastelloy C
Connection			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 18 mm
			KC						2"sanitary clamping, isolation diaphragm 38 mm
			DA						DN25 flange, diaphragm 18 mm
			DB						DN25 flange, isolation diaphragm 38 mm
Display			N						None
			L						LCD
Hazardous Area			N						None
			Xi						II 1/2G Ex ia IIC T4 Gb(Ga)