

pressure transmitters with flange – flush diaphragm

Accuracy 0,5%

MPS560 Series



Description

MPS560 series pressure transmitters are suitable for liquids, dirty fluids pressure, level measuring and controlling in the moderate and high viscous media for food, cosmetic, beverage and pharmaceutical with sensor probe working very well with long term stability at the high temperature of 125°C

Also, it is designed for “clean in place” (CIP), and “sterilize in place” (SIP) maintenance.

The measuring ranges, graded in accordance with EN, range from 0 bar to the maximum pressure range of 250 bar. The case and wetted parts comprise stainless steel and are thus resistant to chemically aggressive media. The pressure connection and measuring element are welded together, making the measuring system particularly resistant to mechanical shock or vibration.

- Compact design
- Protection type IP 65 or IP67 as optional
- Corrosion resistant stainless steel design
- High viscosity resistance
- Wide Measuring Range
- Simple Installation
- Flush Diaphragm
- Various Output Signal

Measuring Ranges

Code	Range	Code	Range
006	0...0,25 bar*	015	0...16 Bar
007	0...4 bar*	016	0...25 Bar
008	0...0,6 bar*	017	0...40 Bar
009	0...1 Bar	018	0...60 Bar
010	0...1,6 Bar	019	0...100 Bar
011	0...2,5 Bar	020	0...160 Bar
012	0...4 Bar	021	0...250 Bar
013	0...6 Bar	XXX	Special Ranges
014	0...10 Bar		

*Only aluminium housing version.



MPS560 Series

Technical Specification

Accuracy

$\pm 0.5\%$ FS

Overpressure

Full scale ranges x 2,5

Wetted Parts

Diaphragm : AISI316L Flanges : AISI304

Operating Temperature Range

-40° to +125° C

Compensated Temperature Range

-20° to + 85° C

Electrical

2-wire, 4-20 mA, 10-36 Vdc power

Option : 0-5 VDC or 0-10 VDC*

*Supply should be 14 VDC min.

Body

Stainless Steel AISI 304

Other, on request

Electrical Connection

DIN 43650A , cable connection or Aluminium Housing

Protection Degree

IP65,IP67 as optional

Process Connection

DN25, DN40, DN50, DN80, DN100-DIN or ANSI rating

Hysteresis, Repeatability

0,05% of FS

Stability

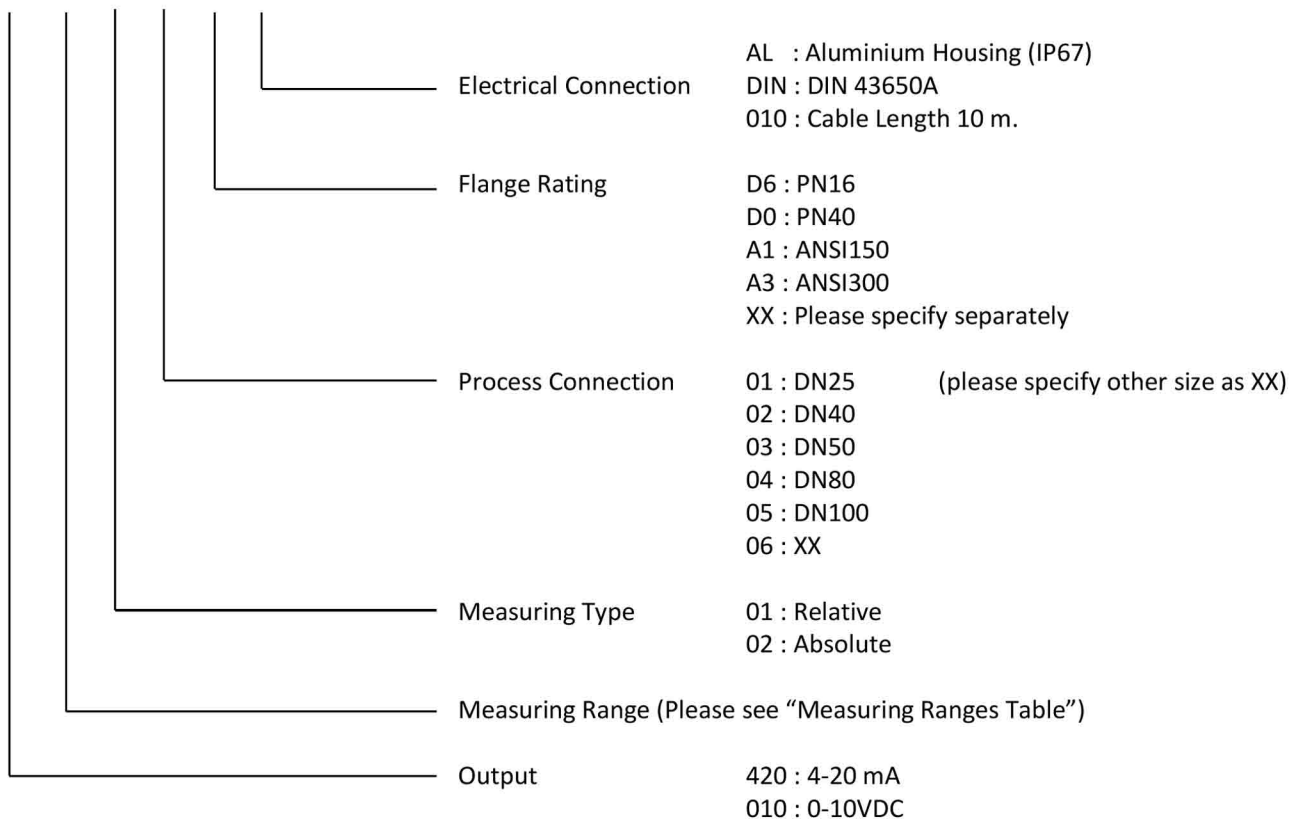
0,2% of FS/year

Zero Balance

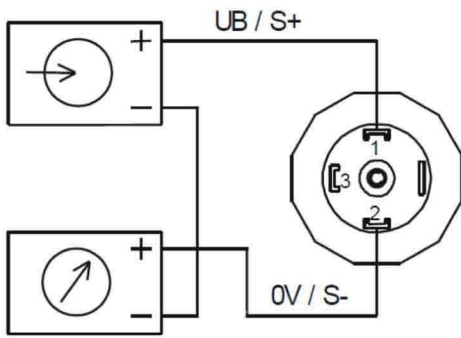
$\pm 5\%$ full scale

Ordering

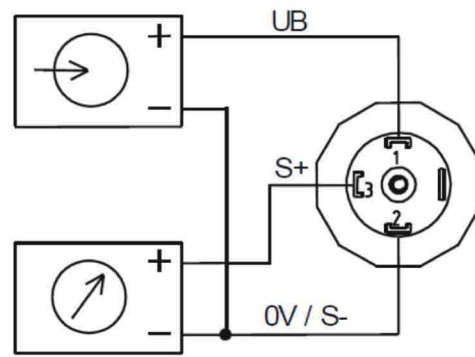
MPS560 . XXX . XXX . XX . XX . XX.XXX



Wiring

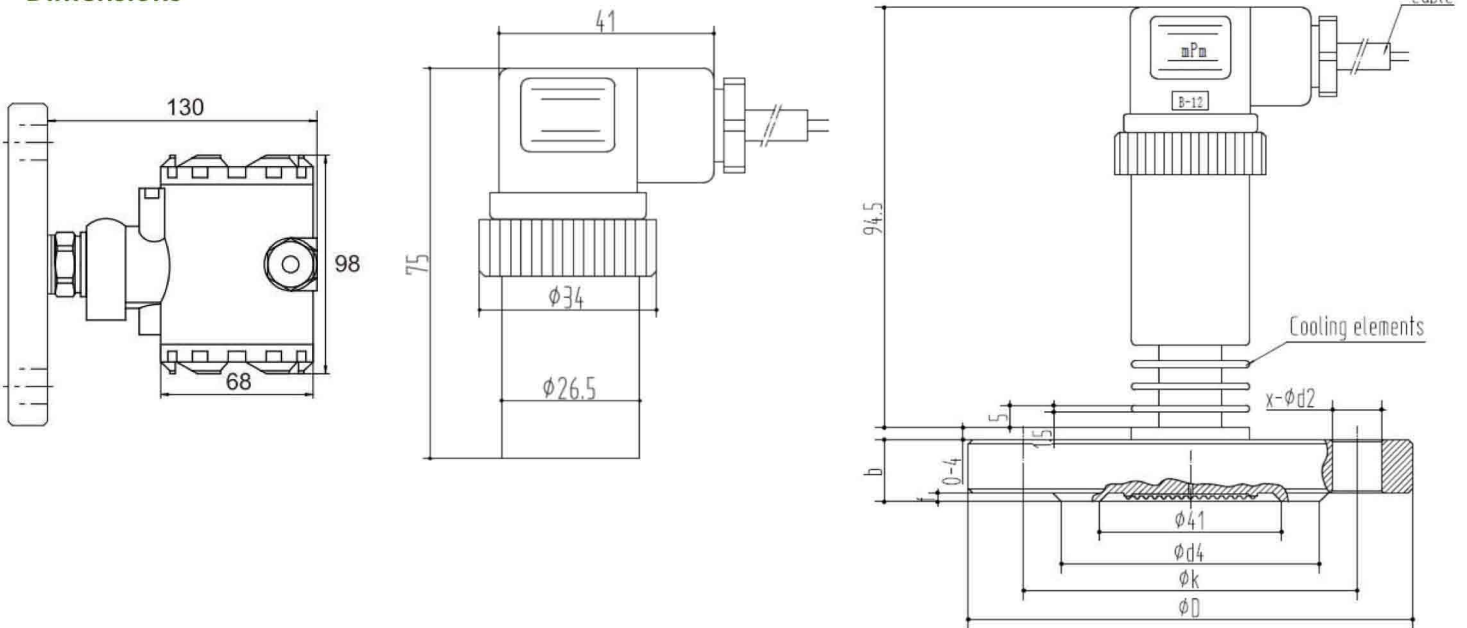


4-20 mA, 2 wire



0-10 VDC

Dimensions



DN in mm	Pressure	D	b	k	d2	n	Raised face	
							f	d4
DN25	1 ~4 MPa	115	18	85	14	4	2	68
	6 ~10 MPa	140	24	100	18	4	2	68
DN50	1 ~4 MPa	165	20	125	18	4	2	102
	6 MPa	180	26	135	22	4	2	102
	10 MPa	195	28	145	26	4	2	102
	16 MPa	195	30	145	26	4	2	102
	25 MPa	200	38	150	26	8	2	102