



differential pressure transmitters for non-corrosive gas

Accuracy 0,5%

MPS590 Series



Description

MPS590 series differential pressure transmitters are suitable for non-corrosive gas pressure measuring and controlling in the moderate media, with sensor probe working very well with long term stability at the high temperature of 85°C

The measuring ranges from 0 to 10 mbar to the maximum pressure range of 1000 mbar. The case and wetted parts comprise aluminium and are thus resistant to vibration and shock.

MPS590 transmitters can be use for negative pressure, positive pressure and differential pressure as easily.

Features

- Compact design
- Protection type IP 65
- Shock resistant aluminium design
- Wide Measuring Range
- Simple Installation
- Various Output Signal

Measuring Ranges

Code	Range	Overpressure Range	
001	010 mBar	50 mBar	
002	016 mBar	80 mBar	
003	025 mBar	125 mBar	
004	040 mBar	200 mBar	
005	060 mBar	300 mBar	
006	0100 mBar	500 mBar	
007	0160 mBar	800 mBar	
800	0250 mBar	1250 mBar	
009	0400 mBar	2000 mBar	
010	0600 mBar	3000 mBar	
011	01000 mBar	5000 mBar	
012	XXX	Please spcify	

Applications

- Air Conditioners
- Filtration
- Level Measurement
- Pressure Loss Measurement
- HVAC



MPS590 Series

Technical Specification

Accuracy

±0.5% FS

Overpressure

Please see measuring Ranges "Please call us for high static pressure"

Operating Temperature Range

-20° to +85° C

Compensated Temperature Range

 0° to + 50° 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

Aluminium

Other, on request

Electrical Connection

Cable connection

Protection Degree

IP65

Process Connection

Hose connection or thread

Zero Temp.Coefficient

0,03% FS/°C

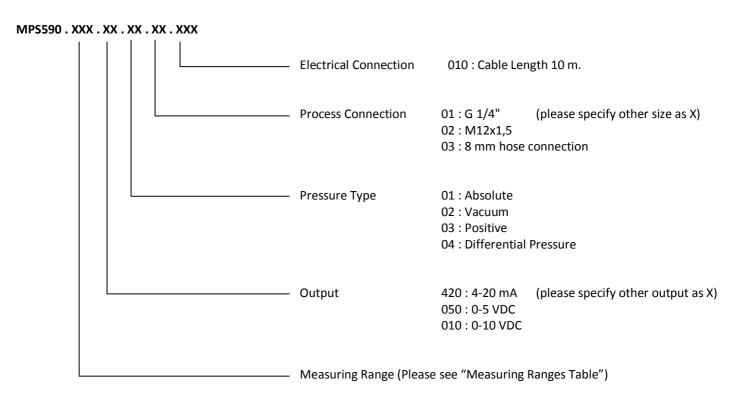
Stability

0,2% of FS/year

Zero-Span Balance

+/- 5 % full scale

Ordering





Wiring

4-2	0 mA	0-10 VDC or 0-5 V DC	
Cable Colour	Description	Cable Colour	Description
Red	Supply V+	Red	Supply V+
Green	Output +	Blue	Supply V-
		Yellow	Output +

Dimensions

