

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	0...10 mBar	50 mBar
002	0...16 mBar	80 mBar
003	0...25 mBar	125 mBar
004	0...40 mBar	200 mBar
005	0...60 mBar	300 mBar
006	0...100 mBar	500 mBar
007	0...160 mBar	800 mBar
008	0...250 mBar	1250 mBar
009	0...400 mBar	2000 mBar
010	0...600 mBar	3000 mBar
011	0...1000 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

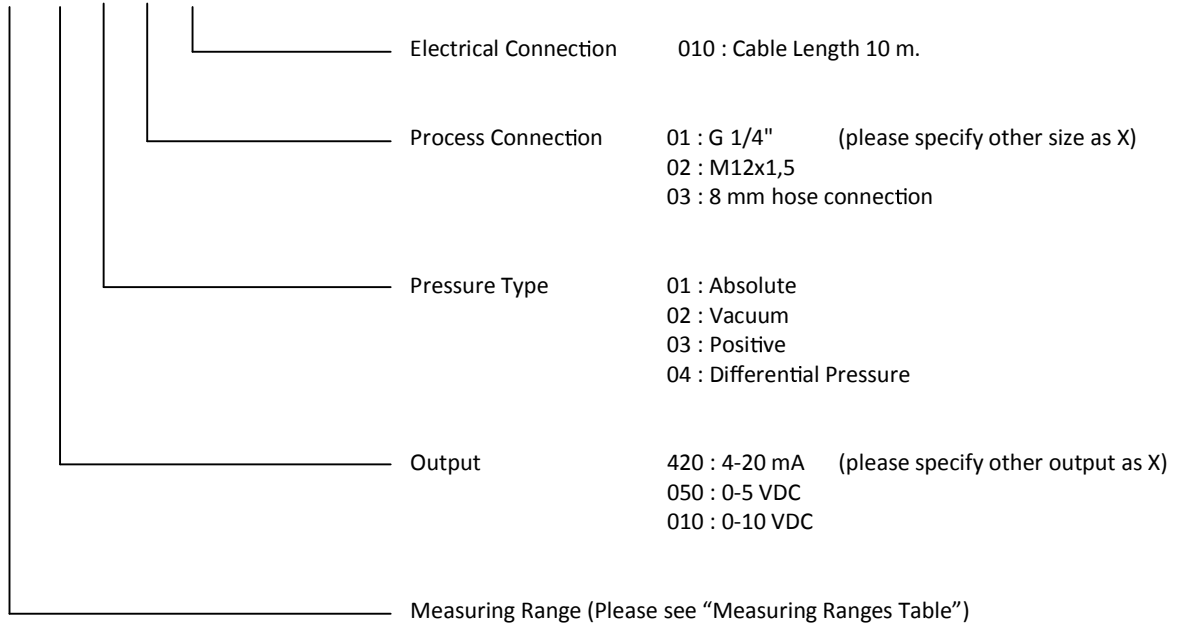
0,2% of FS/year

Zero-Span Balance

+/- 5 % full scale

Ordering

MPS590 . XXX . XX . XX . XX . XXX



Wiring

4-20 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

