

# submersible level transmitters

Accuracy 0,5%

## MPS580 Series



### Description

MPS580 series submersible transmitters are specifically designed for depth and level measurements of groundwater, wastewater, and sea water. Typical applications are wells, dams, irrigation, sewage lift stations, rivers and oceanography.

The stainless steel housing will satisfy many applications. PTFE body is also ideal in brackish or sea water, or other chemical environments unsuitable for stainless steel.

Relatively low water levels can be measured with the MPS580 submersible level transmitter despite its 27 mm diameter. This is possible by incorporating a highly sensitive miniature silicon diaphragm with a very thin isolation membrane back filled with silicone oil.

### Features

- Compact design
- Protection type IP 68 (up to 200m depth)
- Corrosion resistant stainless steel design
- PE, PUR, FEP sheathed cable with inner ventilation
- Option : PTFE Body for corrosive liquids

### Measuring Ranges

Code	Range	Code	Range	Code	Range
001	0...1 m H2O	006	0...10 m H2O	011	0...100 m H2O
002	0...1,6 m H2O	007	0...16 m H2O	012	0...160 m H2O
003	0...2,5 m H2O	008	0...25 m H2O	013	0...200 m H2O
004	0...4,0 m H2O	009	0...40 m H2O	XXX	Special Ranges
005	0...6,0 m H2O	010	0...60 m H2O		

# MPS580 Series

## Technical Specification

### Accuracy

±0.5% FS (Base)

±0.25% FS (Option,model no:MPS581)

### Overpressure

Full scale ranges up to 1,6 m H2O – 2x

Above 1,6 to 100 mH2O - 3x

Above 100 mH2O – 2x

### Operating Temperature Range

-20° to +70° C (-20...120° C with electronic junction box)

### Compensated Temperature Range

0° to + 70° C

### Electrical

2-wire, 4-20 mA, 10-32 VDC power

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

\*Supply should be 15 VDC min.

### Body

Stainless Steel AISI 316

Option : PTFE

### Cable

PE standart,PUR,FEP as optional

### Protection Degree

IP68

### Weight

0,7 kg without cable

### Hysteresis,Repeatability

0,05% of FS

### Stability

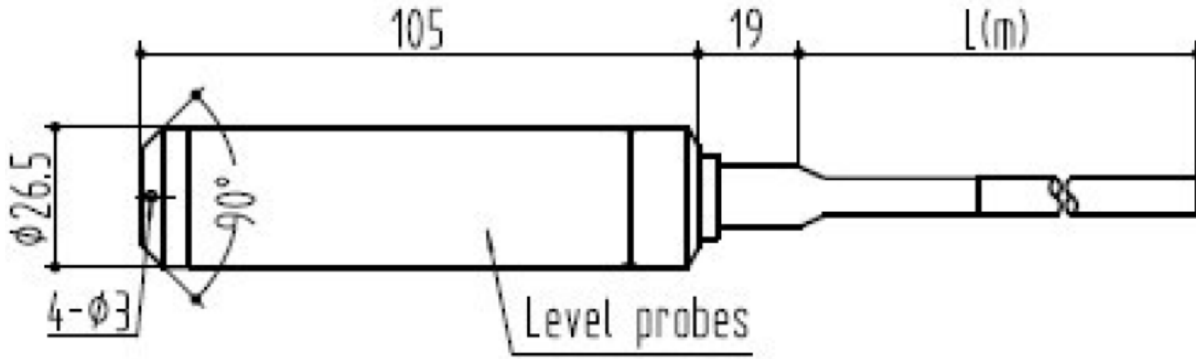
<0,1% of FS/year

## Ordering

<b>MPS580 . XXX . XX . XX . XX . XXX</b>	_____ Cable Length	Please fill direct as metre (005 means 5 metre)	
	_____ Cable Material	PE : PE FE : FEP	PU : PUR
	_____ Process Connection	XX : None	
	_____ Measuring Type	01 : Relative 02 : Absolute	
	_____ Measuring Range (Please see "Measuring Ranges Table")		
	_____ Output	421 : 4-20 mA+HART 420 : 4-20 mA 010 : 0-10VDC	

# MPS580 Series

## Dimensions



4-20 mA		0-10 VDC or 0-5 V DC	
Cable Colour	Description	Cable Colour	Description
Red	Supply V+	Red	Supply V+
Blue	Output +	Blue	Supply V-
		Yellow	Output +

## Accessories



Cable Holder



Connection box  
(for easy wiring and high temp.applications)