

# 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
- PVC,PUR,PE shealted cable with inner ventilation
- Option : PTFE Body for corrosive liquids

#### **Measuring Ranges**

Code	Range	Code	Range	Code	Range
001	01 m H2O	006	010 m H2O	011	0100 m H2O
002	01,6 m H2O	007	016 m H2O	012	0160 m H2O
003	02,5 m H2O	800	025 m H2O	013	0200 m H2O
004	04,0 m H2O	009	040 m H2O	XXX	Special Ranges
005	06,0 m H2O	010	060 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 -2xAbove 1,6 to 100 mH2O -3xAbove 100 mH2O -2x

**Operating Temperature Range** 

-20° to +70° C

**Compensated Temperature Range** 

 $0^{\circ}$  to +  $70^{\circ}$  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

 ${\bf Option: PTFE}$ 

Cable

PVC standart, PUR, PE, Siliconoptional

**Protection Degree** 

IP68

Weight

0,7 kg without cable

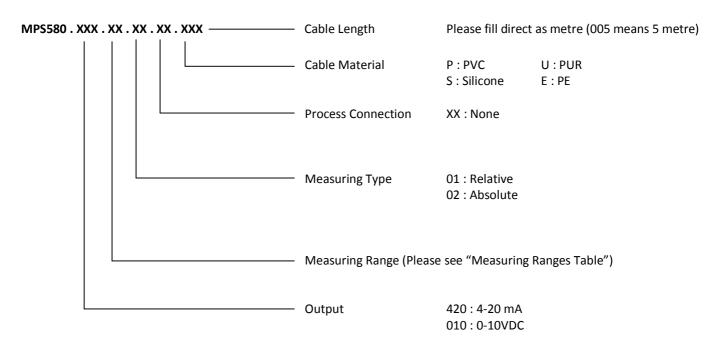
Hysteresis, Repeatability

0,05% of FS

Stability

0,2% of FS/year

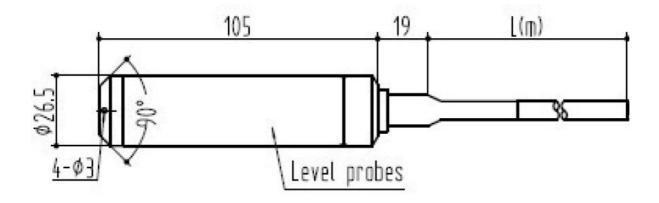
### **Ordering**





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## **Dimensions**



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