

# submersible level transmitters

Accuracy 0,5%

## TPS80 Series



### Description

TPS80 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 TPS80 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 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		

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## Technical Specification

### Accuracy

±0.5% FS (Base)  
 ±0.25% FS (Option,model no:TPS81)

### 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

PVC standart,PUR,PE,Siliconoptional

### Protection Degree

IP68

### Weight

0,7 kg without cable

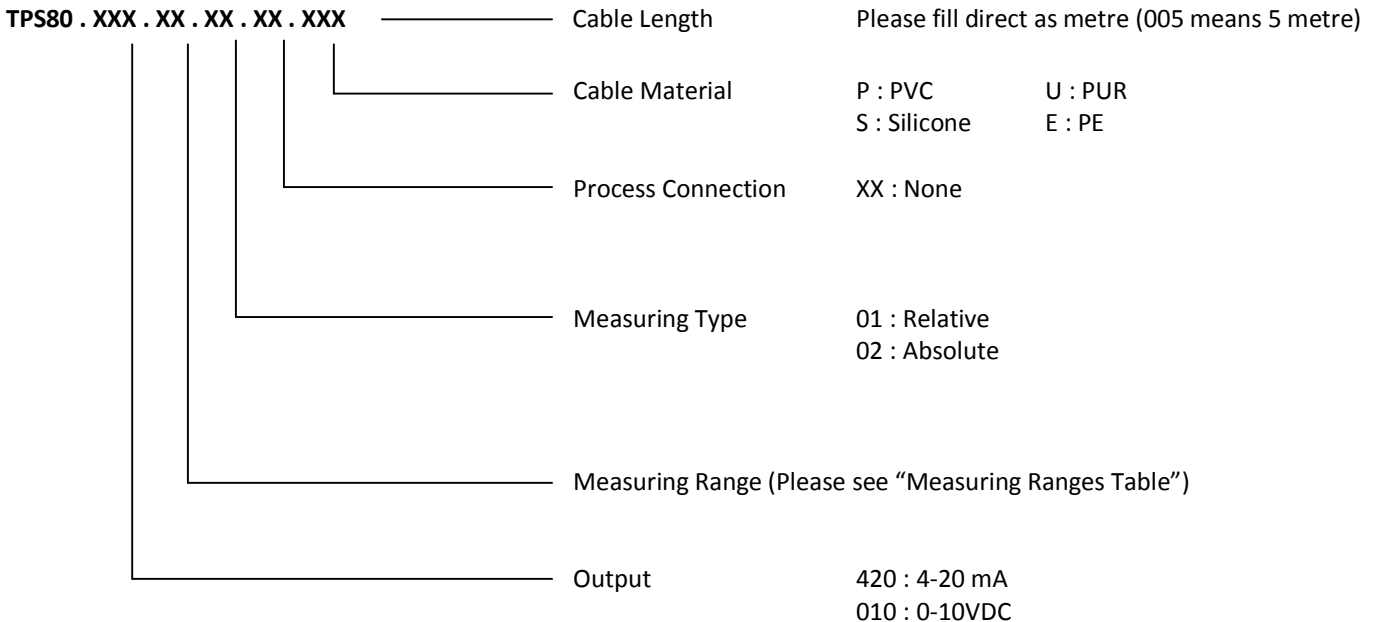
### Hysteresis,Repeatability

0,05% of FS

### Stability

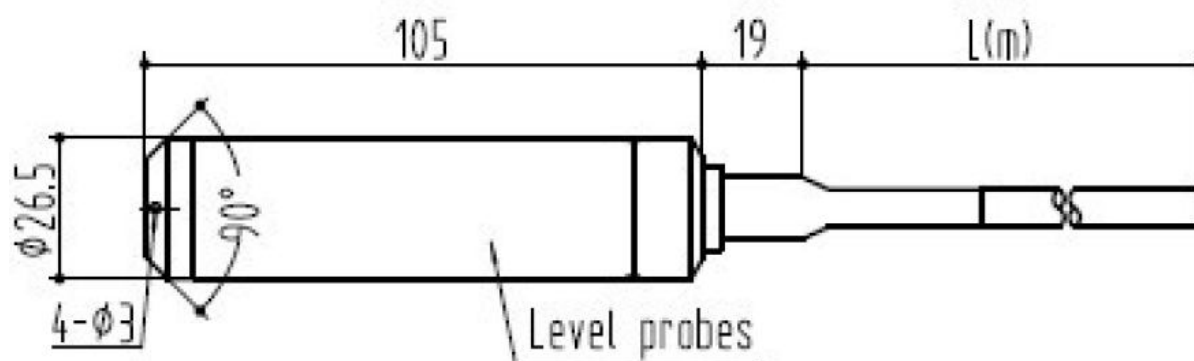
0,2% of FS/year

## Ordering



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## Dimensions



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)