



## Type SFP

Hygienic analog Fill Level Sensor for liquids

high @ level

### Basic Features

- ▶ Analog Fill Level Sensor for liquids
- ▶ Robust design increases service life
- ▶ One System for level and continuous fill level measurement
- ▶ Cuttable probe and welding sleeve system with modular process connections
- ▶ Hygienic Design
- ▶ Aseptic Measuring Point
- ▶ No calibration or recalibration required for commissioning
- ▶ Wetted parts made of 1.4404 and PEEK
- ▶ FDA, EHEDG-conformal



### Technical Features

- ▶ High-Grade-Steel connection head mat. No. 1.4305
- ▶ Connection: M12 plug, 5-pole
- ▶ Thread G 1" elastomer-free sealing system
- ▶ Supply Voltage: 12 V DC...30V DC
- ▶ Output IO-link parametrizable
- ▶ Analog output 4 mA ... 20 mA, 0 V ... 10 V automatic switching to a current or voltage output depending on the load.  
1 PNP transistor output (Q1) and 1 PNP/NPN transistor output (Q2) switchable.
- ▶ Response time <400 ms
- ▶ Ambient Temperature, operation -20...+60°C
- ▶ Process Temperature durable -20...+150°C
- ▶ Storage Temperature -40...+80°C
- ▶ Process Pressure -1 bar...+16bar
- ▶ Protection class up to IP69K
- ▶ Torque max. 6 Nm
- ▶ Probe length 1000/2000/3000/4000 mm

### Favoured fields of operation are e. g.:

The SFP is a hygienic level measurement device for liquids using the TDR technology.

- ▶ Fill level measurement in hygienic applications

### Order Code

#### Bestellcode SFP

SFP-	<input type="text"/>
<b>Probe Lengths</b>	
Probe Length 1000 mm	1000
Probe Length 2000 mm	2000
Probe Length 3000 mm	3000
Probe Length 4000 mm	4000
Customized Lengths on request (200 mm...4000mm)	K

The tightness to IP67 classification does not mean that these parts are suitable for applications or with dew point temperature shocks (DIN 60068-2-14).

Technical Changes reserved

2019-12

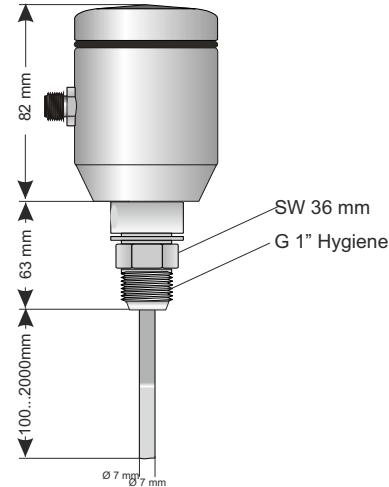
### Examples of modular process connections



See data sheet process connection technology

**modular @ process**

### Dimensional Drawing



### Dimensional Drawing (Connection)



- 1 L+: Supply voltage, brown
- 2 Q<sub>A</sub>: Analog current-/voltage output, white
- 3 M: Ground, OUT-for current-/voltage output, blue
- 4 C/Q : Switch output 1, PNP-/IO-Link-Communication black
- 5 Q<sub>2</sub> : Switching output 2, PNP/NPN, grey

