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Industrielle Messtechnik GmbH &amp; Co. KG

## Temperature Switch TSP 02 in Stainless Steel 316Ti for Liquids

# TSP 02

### Characteristics

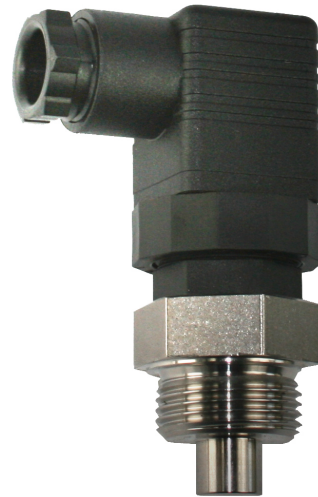
- ▶ Temperature switch in stainless steel 316Ti
- ▶ Mounting direction: any
- ▶ Temperature sensor: thermocouple
- ▶ Max. temperature measuring range:  
+50°C up to +150°C
- ▶ Contact: closer or opener
- ▶ Electrical connection:  
coupler plug DIN 43650
- ▶ Protection: IP65
- ▶ Process connection: BSP 1/2"
- ▶ Reasonable prices

### Areas of application

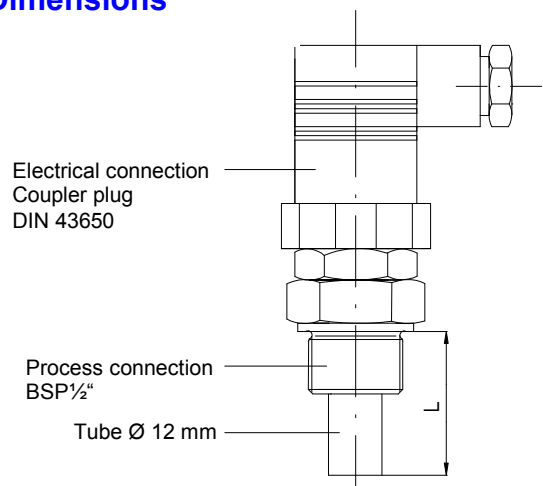
The temperature switches TSP02 are used for measuring temperatures in liquids.

They are suitable even for rough environments and are applicable in the following industries, among others:

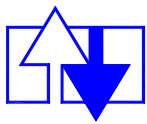
engineering, plant construction etc.



### Dimensions



L = Total length from sealing  
face of process connection

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### Technical Data

<b>Switching capacity</b>	250V AC 2,5A; 60V DC 1A; (min. 50mA)	<b>Measuring accuracy</b>	$\pm 5^{\circ}\text{C}$
<b>Switch function</b>	opener or closer	<b>Hysteresis</b>	$\pm 20^{\circ}\text{C}$
<b>Temperature sensor</b>	thermocouple	<b>Process connection</b>	Fixing screw thread BSP $\frac{1}{2}$ " in stainless steel 316Ti
<b>Temperature range</b>	+ 50°C up to +150°C, selectable in 5°C - steps	<b>Tube</b>	Ø 12 mm in stainless steel 316Ti
<b>Protection</b>	IP 65	<b>Tube length L</b>	max. 3000 mm
<b>Electrical connection</b>	Coupler plug DIN 43650		

### Product overview / order table

#### TSP 02

**Switch function:**

O Opener  
S Closer

**Tube length L** (see dimensioned diagram)

Tube length from sealing face of process connection  
Tube length  $L \geq 30 \text{ mm}$  and  $L \leq 3000 \text{ mm}$   
Dimensions in mm

**Switch current**

Specification of the temperature switch point in °C



Example: Length 300 mm, Opener 60°C: TSP 02 O-300-60