



# TSP-1PAG10305MZ

TSP

TEMPERATURE SENSORS

**SICK**  
Sensor Intelligence.



Illustration may differ

### Ordering information

Model name	Part no.
TSP-1PAG10305MZ	6042938

Other models and accessories → [www.sick.de/TSP](http://www.sick.de/TSP)

### Detailed technical data

#### Features

Measuring range	-30 °C ... +130 °C
Output signal	Pt100, 2-wire

#### Performance

Accuracy of sensor element	Class B according to IEC 60751
Response time	Response time $t_{50}$ : ≤ 2.5 s <sup>1)</sup> Response time $t_{90}$ : ≤ 6 s <sup>1)</sup>

<sup>1)</sup> Depending on sensor configuration, according to IEC 60751.

#### Mechanics/electronics

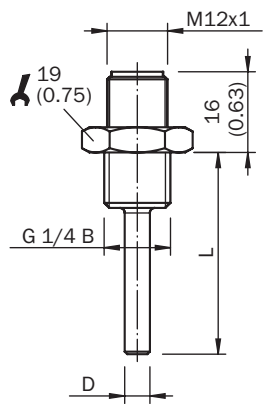
Process connection	Thread G ¼ B
Insertion length/diameter of probe	30 mm / 5 mm
Wetted parts	Stainless steel 1.4305
Housing material	Stainless steel 1.4305
Electrical connection	Round connector M12 x 1, 4-pin, IP 67
Measuring current	0.3 mA ... 1 mA
Electrical safety	Protection class: III, dielectric strength: 500 V AC
RoHS certificate	✓
Weight	Ca. 30 g (depending on configuration)

#### Ambient data

Ambient temperature	-40 °C ... +100 °C <sup>1)</sup>
Storage and transport temperature	-40 °C ... +85 °C
Shock resistance according to IEC 60751	500 g
Vibration resistance according to IEC 60751	3 g

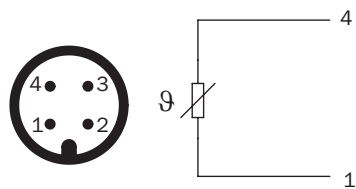
<sup>1)</sup> Due to the short overall length the temperature at the connection plug may rise to inadmissibly high values. It is essential to avoid this with a corresponding design of the test point. The connection cable has to be selected accordingly.

**Dimensional drawing** (Dimensions in mm (inch))



**Connection type**

Plug M12 x 1, 2-wire



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