Temperature sensor WJK

With spring-loaded immersion tube // -30…200 °C



WJK
Angled plug M12 round



WJK
Head type J

Highlights

- Specially developed for the measurement of gear bearing temperatures
- Spring-loaded immersion tube offers very good thermal coupling → Accurate recording of process parameters
- Sealing between immersion tube and screw fitting → Suitable for use in oil-flushed housings
- Safe and compact electrical connection via M12 right-angle plug
- Very high vibration resistance → Reliable and long-lasting operation

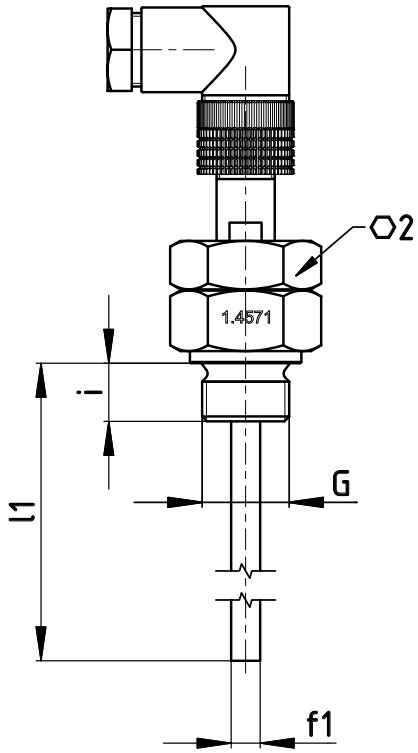
Technical data	
Type	Temperature sensor with spring-loaded immersion tube
Measuring range	-30…200 °C
Measuring medium	Water and aqueous liquids, non-aggressive gases
Immersion tube length	55…175 mm (10 mm spring travel)
Immersion tube diameter	6 mm
Process connection	G½ or M18 x 1.5
Nominal pressure	PN 2.5
Medium temperature	-30…200 °C
Ambient temperature	-40…85 °C
Storage temperature	-25…70 °C
Degree of protection according to EN 60529	IP65

Electrical data	
Measuring element	1 x Pt100 / 2-wire 2 x Pt100 / 2-wire 1 x Pt100 / 3-wire 1 x Pt100 / 4-wire
Measuring insert	Not interchangeable
Accuracy	Class A / ±(0.15 K + 0.002 x T) Class B / ±(0.30 K + 0.005 x T)
Electrical connection	Angled plug M12 x 1 with knurl, 4-pole Terminal head J

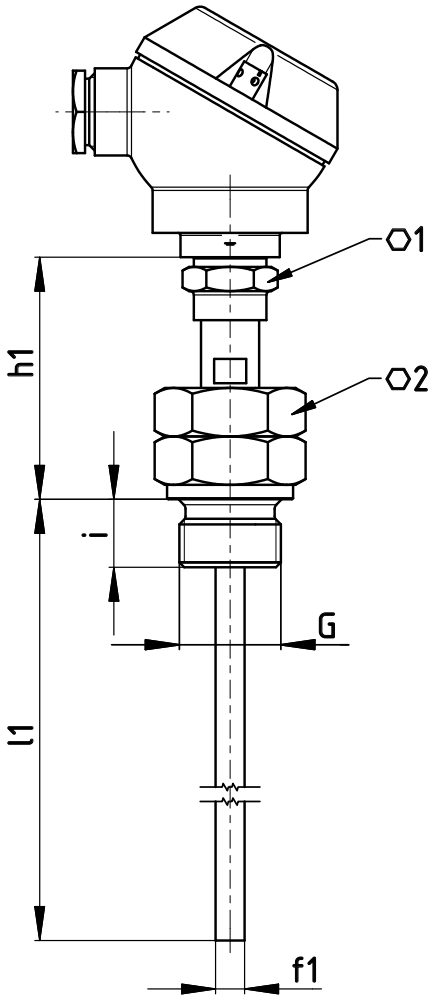
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Technical drawing // Dimensions

WJK
Angled plug M12 round



WJK
Head type J



Dimensions [mm]							
Type	**l1**	**h1**	**⬡1**	**⬡2**	**G**	**i**	**f1**
WJK angled plug M12 round	55...65, 95...105, 135...145 or 165...175	–	–	27	G½ or M18 x 1.5	12	Ø6
WJK head type J	55...65, 95...105, 135...145 or 165...175	50 or 77	17	27	G½ or M18 x 1.5	14	Ø6

Materials

Materials	
Not in contact with media	
Connection head	Die-cast aluminium, silver painted Plastic PA66 (Max. 125 °C)
In contact with media	
Process connection	Stainless steel 1.4571
Protection tube	Stainless steel 1.4571

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Article numbers

Order code								
Type								
Resistance thermometer	W							
Diameter								
6 mm		06						
Material								
Stainless steel 1.4571			3					
Sensor element								
1 x Pt100 2-wire / Class B				P21				
2 x Pt100 2-wire / Class B				P22				
1 x Pt100 3-wire / Class B				P31				
1 x Pt100 4-wire / Class B				P41				
Resistance thermometer / Class A				AXX				
Immersion tube length l1								
55...65 mm					065			
95...105 mm					105			
135...145 mm					145			
165...175 mm					175			
Measuring insert								
Not interchangeable						0		
Electrical connection								
Angled plug M12 round							30	
Head type J							J0	
Process connection G								
G½								2JK
M18 x 1.5								6JK
Example order number	**W**	**06**	**3**	**P21**	**065**	**0**	**30**	**2JK**

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