

Temperature sensor T10

With connection cable // 0...850 °C



T10



Highlights

- For exhaust gas temperature measurement on diesel and gas engines, turbines and compressors
→ Up to 850 °C Medium temperature
- Compact and robust design → Easy to integrate
- Very high vibration and shock resistance → Reliable and long-lasting operation
- Extremely resistant connecting cable → Enables use in harsh environments

Technical data

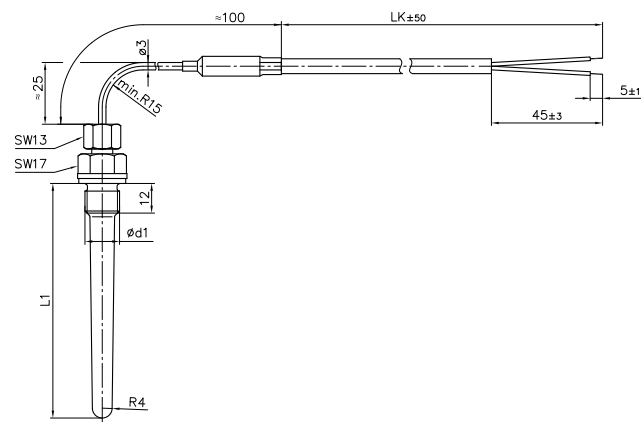
Type	Temperature sensor with connection cable
Measuring range	0...850 °C
Measuring medium	Exhaust gases marine diesel engines
Immersion tube length	65 or 95 mm
Immersion tube diameter	Conical 10 to 8 mm
Process connection	M14 x 1,5, G $\frac{1}{4}$
Nominal pressure	PN 25
Medium temperature	0...850 °C
Ambient temperature	-40...85 °C
Storage temperature	-25...70 °C
Degree of protection according to EN 60529	IP54

Electrical data

Measuring element	1 x NiCr-Ni (Type K)
Measuring insert	Interchangeable
Accuracy	Class 1 / ± 1.5 °C or $0.004 \times T$
Electrical connection	FEP cable, wire braided

Technical drawing

T10



All dimensions in mm

Materials

Materials	
In contact with media	
Process connection	Stainless steel 1.4876
Protection tube	Stainless steel 1.4876

Article numbers

Order code									
Type									
Thermocouple	T								
Diameter									
10 mm	10								
Material									
Stainless steel 1.4876	0								
Sensor element									
1 x NiCr-Ni (Type K)	1TK								
Nominal length L₁									
65 mm				065					
95 mm				095					
Measuring insert									
Interchangeable				2					
Electrical connection									
FEP cable, wire braided				07					
Process connection d₁									
M14 x 1.5								G	
G $\frac{1}{4}$								L	
Cable length LK									
1.0 m									01
1.5 m									02
2.0 m									03
2.5 m									04
Example order number									
	T	10	0	1TK	065	2	07	L	01