

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

Technical datasheet

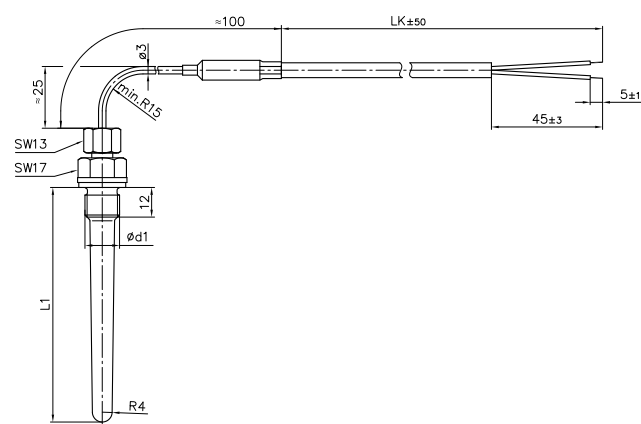
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Technical drawing

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					07				
Process connection d₁									
M14 x 1.5								G	
G¾								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