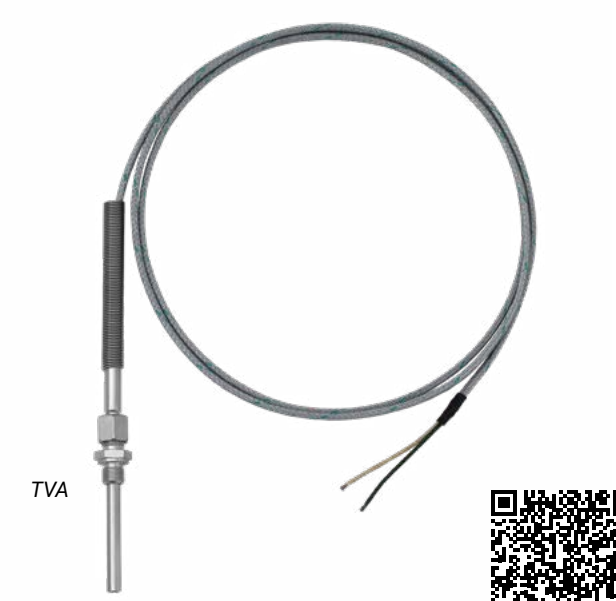
Temperature sensors TWE, TVA

With connection cable // 0...800 °C



TWE



TVA

Highlights

- For exhaust gas temperature measurement on diesel and gas engines, turbines and compressors
  → Up to 800 °C media temperature
- Available as resistance thermometer or thermocouple
- Very high vibration and shock resistance → Reliable and long-lasting operation
- Extremely resistant connecting cable → Enables use in harsh environments

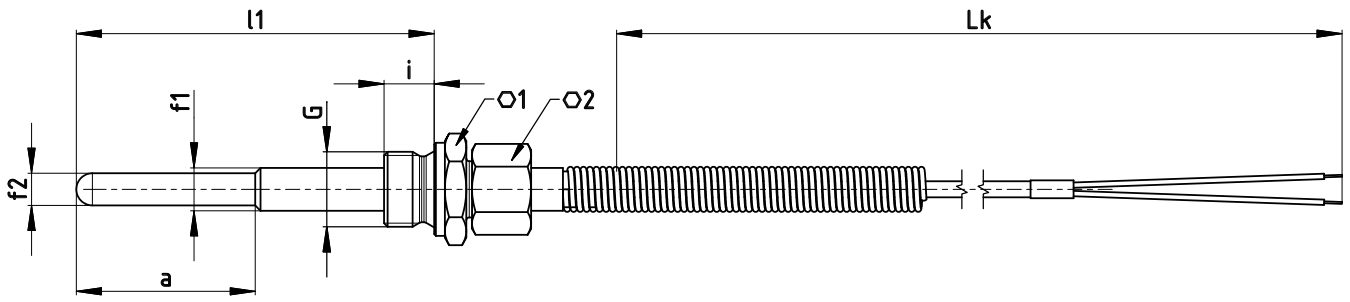
Technical data	
Type	Temperature sensor with connection cable
Measuring range → TWECK → TVACP / TVACK	 0...800 °C 0...600 °C
Measuring medium	Exhaust gases marine diesel engines
Immersion tube length	100...250 mm
Immersion tube diameter	8 or 12 mm
Process connection	Without, G¼, G½, M27 x 2
Nominal pressure	PN 25
Medium temperature → TWECK → TVACP / TVACK	 0...800 °C 0...600 °C
Ambient temperature	-40...85 °C
Storage temperature	-25...70 °C
Degree of protection according to EN 60529	IP54
Approvals	
DNV (only TWE)	

Electrical data	
Measuring element	1 x NiCr-Ni (Type K) 1 x Pt100 / 3-wire (only type TWE)
Measuring insert	Not interchangeable
Accuracy	Class 1 / ±1.5 °C or 0.004 x T Class B / ±(0.30 K + 0.005 x T)
Electrical connection	FEP cable Fibreglass, wire braided

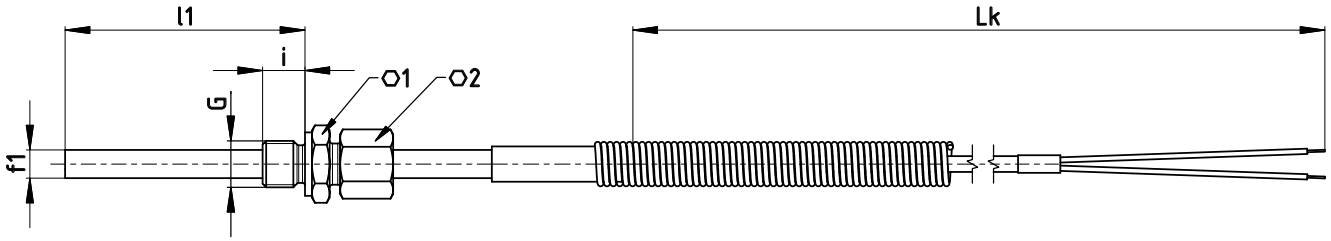
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Technical drawings / Dimensions

TWE



TVA



Dimensions [mm]									
Type	**l1**	**Lk**	**f1**	**f2**	**G**	**i**	**a**	**⬡1**	**⬡2**
TWE	100	2000±10	Ø 12	Ø 9	G½, G¼, M27 x 2 or without	14	50		
TVA	68	2000±10	Ø 8	–	G½, G¼, M27 x 2 or without	12	–	19	17

Materials

Materials	
In contact with media	
Process connection	Stainless steel 1.4571 or galvanized steel
Protection tube	Stainless steel 1.4571

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Article numbers

Order code							
Diameter f1							
8 mm	TVA						
12 mm	TWE						
Material							
Stainless steel 1.4571		C					
Sensor element							
1 x NiCr-Ni (Type K)			K11				
1 x Pt100 3-wire / Class B (only Type TWE)			P31				
Nominal length L1							
100 mm				0100			
150 mm				0150			
200 mm				0200			
250 mm				0250			
Electrical connection							
FEP cable					07		
Fibreglass, wire braided					08		
Process connection G							
without						0	
G¼ Galvanised steel						I	
G½ Galvanised steel						K	
G½ Stainless steel						J	
M27 x 2 Galvanised steel						H	
Cable length Lk							
1.0 m							01
1.5 m							02
2.0 m							03
2.5 m							04
3.0 m							05
Example order number	**TVA**	**C**	**K11**	**0100**	**07**	**0**	**01**

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