KombiTemp® // Head type B

-60...200 °C



K 410



K 620

Highlights

- High measurement reliability due to two independent measuring points
- Fast detection of malfunctioning probes or dial thermometers in the system to be checked
- Low installation costs, advantages of the industrial thermometer

Technical data		
Version	Straight	90° angle
Dimensions housing	150 x 36 mm	
Measuring range	-60...200 °C	
Medium / Application	Liquid and gaseous media	
Immersion tube length → Clamp connection → Fixed thread connection	 135 mm or 160 mm 63 mm, 100 mm or 160 mm	
Immersion tube diameter	12 mm	
Process connection → Clamp connection → Fixed thread connection	 G½ G½, G¾ or M20 x 1.5	
Nominal pressure → Immersion tube brass → Immersion tube stainless steel	 PN 16 PN 40	
Thermometer capillary	Prismatic, Ø approx. 6 mm	
Thermometer filling → Red → Blue	 -60...40 °C -30...200 °C	
Medium temperature	Depending on measuring range	
Ambient temperature	-20...60 °C (only for indoor use)	
Storage temperature	-25...60 °C	
Degree of protection EN 60529	IP65	

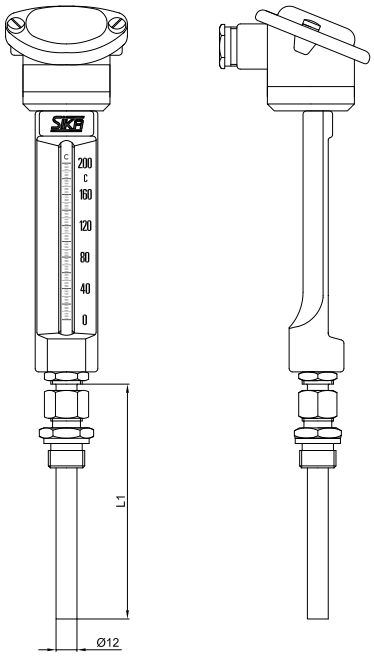
Electrical data	
Measuring element	1 x Pt100 / 3-wire 2 x Pt100 / 3-wire 1 x Pt1000 / 2-wire 1 x NiCr-Ni (type K) 2 x NiCr-Ni (type K)
Accuracy	Class B Class 1
Electrical connection	Head type B (DIN 43729)

Options	
For type	**See order code**
K 410 / K 420 / K 610 / K 620	Analogue output 4...20 mA for 1 x Pt100

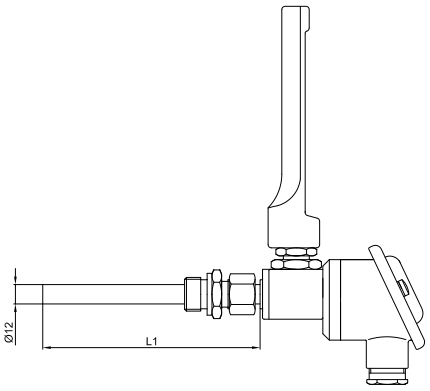
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Telefon: +41 (0)55 617 00 80 - www.grubatec.ch - sales@grubatec.ch

Technical drawings

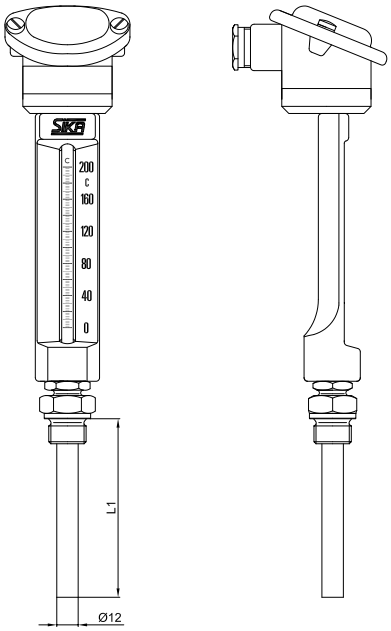
K 410



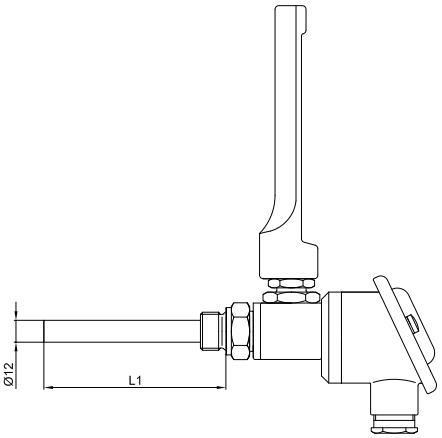
K 610



K 420



K 620



Materials

Material	
Not in contact with medium	
Housing	Warm pressed aluminium part, silver anodized
In contact with medium	
Process connection	Brass or stainless steel 1.4571
Immersion tube	Brass or stainless steel 1.4571

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Article numbers

Order code								
Type								
K 410								
Straight, clamp connection	K410							
K 420								
Straight, fixed thread connection	K420							
K 610								
Angle 90 °, clamp connection	K610							
K 620								
Angle 90 °, fixed thread connection	K620							
Display ranges								
-60...40 °C		64						
-30...50 °C		35						
0...60 °C		06						
0...100 °C		10						
0...120 °C		12						
0...160 °C		16						
0...200 °C		20						
Immersion tube length L_1	**adjusted immersion depth**							
Clamp connection (K 410 / K 610)								
135 mm	50 mm		135					
160 mm	73 mm		160					
Fixed thread connection (K 420 / K 620)								
63 mm			063					
100 mm			100					
160 mm			160					
Process connection								
Clamp connection (K 410 / K 610)								
G½				2				
Fixed thread connection (K 420 / K 620)								
G½				2				
G¾				3				
M20 x 1.5				7				
Immersion tube material								
Brass					1			
Stainless steel					3			
Electrical temperature sensor								
1x Pt100 / 3-wire / class B						1		
2x Pt100 / 3-wire / class B						4		
1x Pt1000 / 2-wire / class B						7		
1x NiCr-Ni (type K)						2		
2x NiCr-Ni (type K)						5		
Head transmitter								
Without							0	
4...20 mA*							1	
Example order number	**K410**	**64**	**135**	**2**	**1**	**1**	**0**	

* Only for 1 x Pt100 / 3-wire / class B

Please note: We cannot offer small quantities in every configurable combination.
We reserve the right to offer you a common alternative.

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SIKA

Accessories

Accessories	Article number
Measuring point designation Laser-inscribed stainless steel plate with fixing wire for easy attachment to measuring points → **Scope of delivery:** Designation plate inscribed according to specification and enclosed fixing wire (sealing wire) → **Fastening:** Wire (included in delivery), alternatively sealing, cable ties or similar (not included in delivery) → **Materials:** Plate stainless steel 1.4571, wire stainless steel → **Dimensions:** Plate 55 x 10 x 0.8 mm, wire length 180 mm → **Inscription:** one-sided, single-line, max. 11 characters, character height 5 mm, designation width max. 40 mm, letters, numbers, symbols, barcodes, QR codes → **Transmission of designations:** digital list, file formats Excel, Word or CSV	**ONSITETAG**

