

KombiTemp® // Angle plug

-30...200 °C



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	Angle 90°
Dimensions housing	110 x 30 mm	
Measuring range	-30...200 °C	
Medium / Application	Liquid and gaseous media	
Immersion tube length	63 mm, 100 mm or 160 mm	
Immersion tube diameter	10 mm	12 mm
Process connection	G½ or M20 x 1.5	
→ Fixed thread connection		
Nominal pressure	PN 16 PN 40	
→ Immersion tube brass		
→ Immersion tube stainless steel		
Thermometer capillary	Prismatic, Ø approx. 6 mm	
Thermometer filling	-30...200 °C	
→ Blue		
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	
Approvals		
DNV (type K 122 only)		

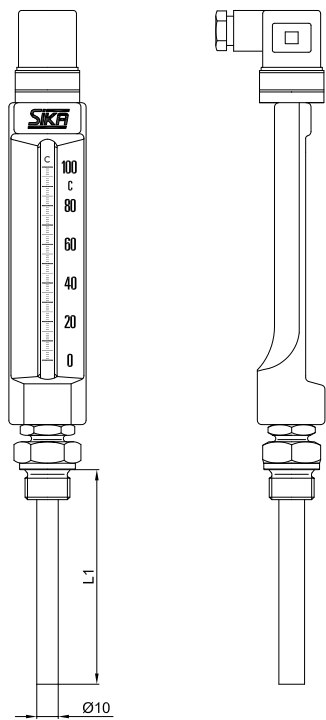
Electrical data	
Measuring element	1 x Pt100 / 3-wire 1 x Pt1000 / 2-wire
Accuracy	Class B
Electrical connection	Cable socket, angle type (DIN EN 175301-803)

Technical datasheet

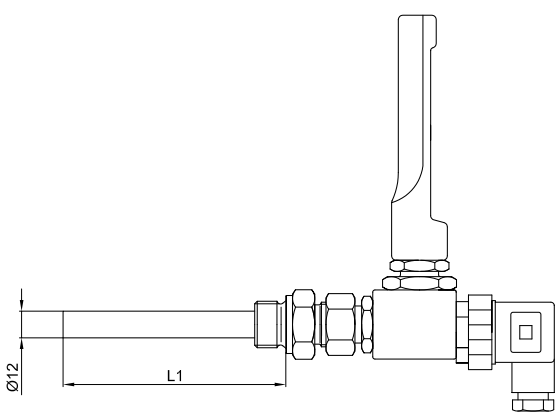
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Telefon: +41 (0)55 617 00 80 - www.grubatec.ch - sales@grubatec.ch

Technical drawings

K 122



K 130



Materials

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

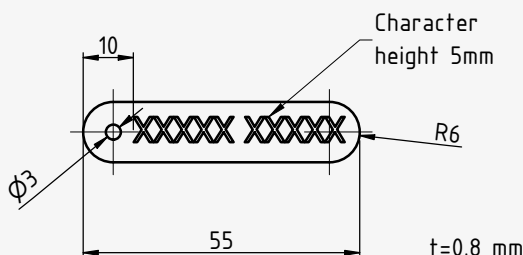
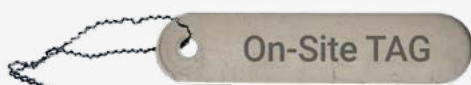
Article numbers

Order code							
Type							
K 122							
Straight	K122						
K 130							
Angle 90°	K130						
Display ranges							
-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							
63 mm		063					
100 mm		100					
160 mm		160					
Process connection							
G½			2				
M20 x 1.5			7				
Immersion tube material							
Brass				1			
Stainless steel				3			
Electrical temperature sensor							
1x Pt100 / 3-wire / class B					10		
1x Pt1000 / 2-wire / class B					70		
Scale							
°C							*
°C and °F							2
Example order number							
	K122	35	063	2	1	10	0

* Division °C is standard and is no longer encrypted (formerly 0).

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



Technical datasheet

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 MESS- UND REGELTECHNIK

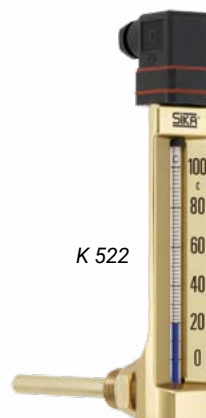
Sika

KombiTemp® // Angle plug

-30...200 °C



K 422



K 522

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	Angle 90°
Dimensions housing	150 x 36 mm	
Measuring range	-30...200 °C	
Medium / Application	Liquid and gaseous media	
Immersion tube length	63 mm, 100 mm or 160 mm	
Immersion tube diameter	10 mm	
Process connection		
→ Fixed thread connection	G½ or M20 x 1.5	
Nominal pressure		
→ Immersion tube brass	PN 16	
→ Immersion tube stainless steel	PN 40	
Thermometer capillary	Prismatic, Ø approx. 6 mm	
Thermometer filling		
→ Blue	-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	
Approvals		
DNV		

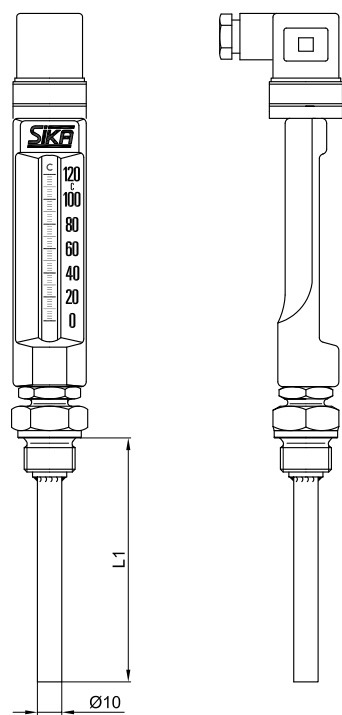
Electrical data	
Measuring element	1 x Pt100 / 3-wire 1 x Pt1000 / 2-wire
Accuracy	Class B
Electrical connection	Cable socket, angle type (DIN EN 175301-803)

Technical datasheet

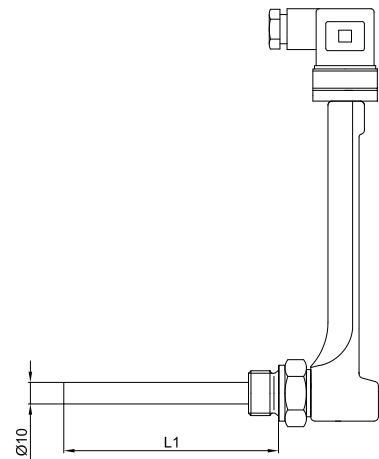
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Technical drawings

K 422



K 522



Materials

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

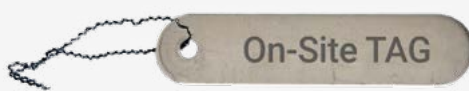
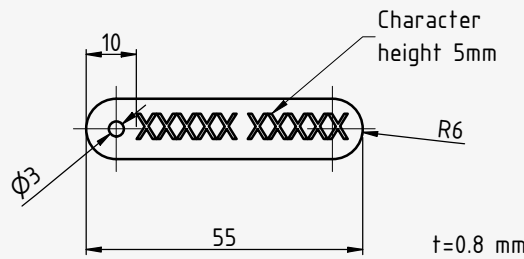
Article numbers

Order code									
Type									
K 422		K422							
Straight									
K 522		K522							
Angle 90 °									
Display ranges									
-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									
63 mm				063					
100 mm				100					
160 mm				160					
Process connection									
G½						2			
M20 x 1.5						7			
Immersion tube material									
Brass							1		
Stainless steel							3		
Electrical temperature sensor									
1x Pt100 / 3-wire / class B							10		
1x Pt1000 / 2-wire / class B							70		
Scale									
°C									
°C and °F									
Example order number		K422	35	063	2	1	10	2	

* Division °C is standard and is no longer encrypted (formerly 0).

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

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

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