

## SIKA thermometer with integrated temperature sensor

Technical data			
Type	K 122	K 422	K 522
Housing	Die cast aluminium, gold-coloured anodised		
length	110 mm	150 mm	150 mm
width	30 mm	36 mm	36 mm
Thermometer capillaries	→ Special glass prismatic → Approx. 6 mm diameter, → black burnt-in scale,		
Thermometer filling	Blue		
Immersion tube	Diameter 10 x 1 mm		
Electrical Connection	Cable socket, angle type DIN EN 175301-803		
Immersion tube material	Brass, up to PN 16 bar Stainless steel, up to PN 40 bar		
Design	Straight, fixed thread connection		90° fixed thread connection



SIKA Order example		K122	35	063	2	1	1	0	ISSA-Code	IMPA-Code
K 122		K122								
K 422		K422								
K 522		K522								
Measuring range	-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 <sub>1</sub>	63 mm			063					61.231.01	
	100 mm			100					-	
	160 mm			160					61.231.57	
Mechanical connection	G½				2					
	M20 x 1.5				7					
Immersion tube material	Brass (2.0321, for pressure up to 16 bar)					1				
	Stainless steel (1.4571, for pressure up to 40 bar)					3				
Electrical temperature sensor	1x Pt100 / 3-wire / class B						1			
	1x Pt1000 / 2-wire / class B						7			
Scale	°C							0		
	°C and °F							2		

Please ask for customised specifications

# KombiTemp® dial thermometers

## Diesel engine dial thermometer with integrated temperature sensor

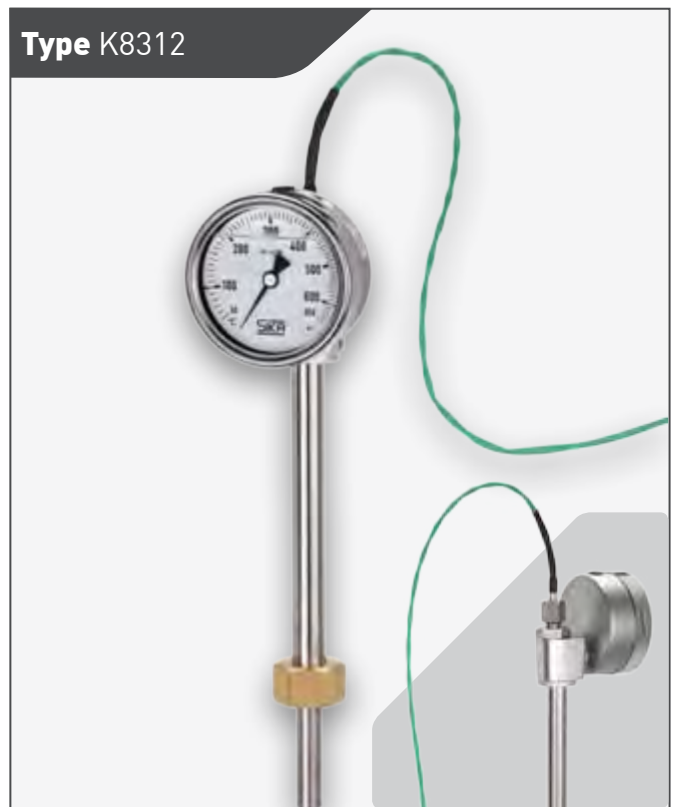
KombiTemp K8312 dial thermometers are the ideal solution for combined temperature measurement of exhaust gas on large diesel engines.

The dial thermometer displays the temperature locally whereas the integrated sensor provides the basis for the corresponding electrical signal to be transmitted to the engine control room. Measuring in the same measuring point saves cost and ensures matching temperature values both at the local display as well as in the vessel's electronic system.

SIKA offers two different versions for common diesel engine types: version 1 for 4-stroke engines and version two for 2-stroke engines.

### Performance features

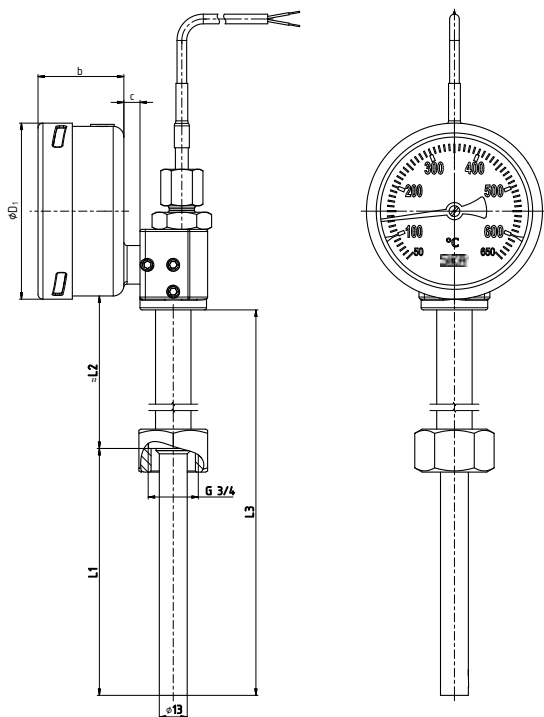
- Two in one measuring point temperature measurement
- Matching indicator values of dial thermometer and temperature sensor
- With thermocouple type K
- Suitable solid material protection tube available



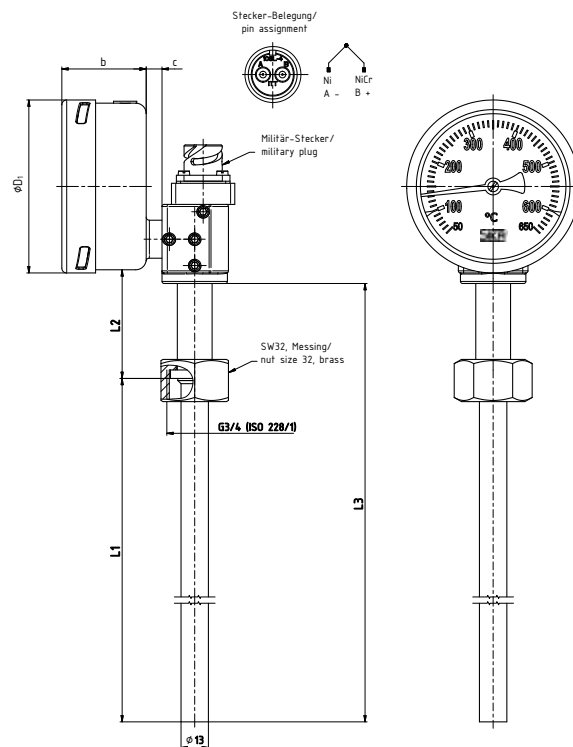
Technical data	
Case	Bayonet ring case, st. steel 1.4301
Nominal size	80 mm
Case filling	Silicone oil
Dial	White coloured, black markings
Display range	50...650 °C
System/accuracy	Gas-filled dial thermometer acc. 1,0, DIN EN 13190, Thermocouple type K (NiCr-Ni), class 2.0
Electrical connection	Cable output with 9 m cable length (version 1) 2 pole MIL connector, without cable (version 2)
Degree of protection	Dial thermometer IP65 Electrical sensor IP56
Connection position	Bottom connection
Immersion tube length/material	l1=115 x Ø 13 mm (version 1), st. steel 1.4571 l1=220 x Ø 13 mm (version 2), st. steel 1.4571
Connection thread/material	Union Nut, G ¾, brass

## Dimensions and order code

Type K8312 - version 1



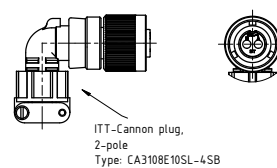
Type K8312 - version 2



Dimensions [mm]	b	c	ØD <sub>1</sub>	L <sub>1</sub>	L <sub>2</sub>	L <sub>3</sub>
Version 1	40	7.5	82	115	165	274
Version 2	40	7.5	82	220	51.5	265

### Order code

KombiTemp K8312 - version 1	K8312V5610000001
KombiTemp K8312 - version 2	K8312V5610000002
90° angle military plug	XMT0004



90° angle military plug