

- → SIKA thermometers for industrial and marine applications
- $\rightarrow~$ Special versions and accessories
- → SIKA thermometers for HVAC applications



INDUSTRIAL THERMOMETERS





The Original - Made by the inventor of the industrial thermometer

Quality by tradition

Since 1901 we at SIKA - Dr. Siebert and Kühn have produced precision measuring and control instruments. The original "SIKA" thermometer was developed and brought to production stage by the engineer Hans Siebert. For its basic mechanical design, Dr. Siebert and Kuehn finally received the patent no. 767477 in 1939. From those early days on, we have been manufacturing these thermometers solely in Kassel / Kaufungen – that is real quality "made in Germany".

Since their invention, SIKA thermometers have been the very embodiment of robustness, reliability and accuracy. They harbour knowledge of many details and the experience of thousands of applications. For this reason, they are now completely indispensable in marine engineering, mechanical and plant engineering, as well as heating and air conditioning technology. Over 15 million reliable temperature monitors have already been produced in Kaufungen.

The advantages of a glass thermometer over other thermometers such as dial thermometers or electronic versions, are obvious: no mechanically moving parts, no material fatigue, no electrical energy requirement, but a high level of accuracy and a very long service life. In other words, as long as a glass thermometer is not mechanically destroyed, it remains accurate for the duration of its service life.



Sika

180



Our range

Mechanical parts as well as glass inserts of our standard types are produced in automated manufacturing processes. However, the glass inserts of special versions, e. g. high temperature versions are still produced by our glassblowers in traditional handcraft. Thanks to our long-year experience, we are in the position to produce custom versions on request. You can obtain popular types from us off the shelf or within a few days. Rare or customised versions will be produced after the placement of the order.

On the following pages you will find an overview of our extensive range of industrial thermometers. The range in this catalogue includes more than 17 000 different models. In addition, there is a multitude of customer-specific special designs that are used throughout the world.

- → Please ask for special specifications
- ightarrow Other case colours and Logo on request



Details of construction

Version for industrial and marine applications

Casing

Aluminum, V-shaped, completely polished, gold-coloured anodized (or silver-coloured upon request). Numerals of reading scale printed on the right side. Printing black-colored for easy readability. Straight types adjustable to any desired viewing position and locked by brass nut, wrench size 22. Angle thermometers (90 degrees) have a grooved adapter piece with locking screw. Advantage: When mounting the thermometer, it is not necessary to turn the casing.

Glass inserts (Capillaries)

Capillary tube of solid glass, bar-shaped, prismatic (optic enlargement of the column, except for high temperature types), diameter approx. 6 mm, oval opening, with yellow background for mercury and white background for blue fluid column. Scale is deeply burnt in black, thus being absolutely resistant. The main graduations, which correspond with the printing on the casing, are especially clearly outlined.

Thermometric liquids

Mercury-free standard version from -30 to 250 °C with blue thermometric fluid. For display ranges starting at 0...300 °C only mercury filling is technically possible. According to regulation no. 847 / 2012 of European Union, thermometers with mercury filling are only bound for export outside the EU. Placing them on the market inside the EU after April 10th, 2014 is prohibited. Concerned are industrial thermometers and glass inserts with display ranges 0...300 °C and higher, only. In this case, we are recommending the use of our dial or digital thermometers.

Immersion tube

Standard version made from brass for temperatures up to 300 °C, from steel for higher max. temperature. On request, high-strength brass or CuNiFe alloy suitable for sea water. Stainless steel for aggressive media. The diameter of the type "B" immersion tube is 10 mm; the wall thickness 1 mm. **For more information, see chapter "Protection tubes".**

Scale intervals and error limits

SIKA thermometers fulfil the requirements of DIN 16195 "Requirements and testing of industrial glass thermometers". Scale intervals and error limits are defined in relation to the casing size and the display range.



Version for heating - air conditioning - ventilation (HVAC) applications

We have modified and optimally adapted our industrial thermometers to the requirements in the field of heating and air conditioning applications. In this way, we combine a completely reliable measuring instrument with an unbeatable price/performance ratio. Two different housing models and three different housing sizes are available specifically for heating and air conditioning applications. These thermometers are generally available in quantities of 10 units per model.



MERCURY-FREE

Thermometric liquid

Mercury-free in the standard version up to 200 $^{\circ}\mathrm{C}$ with blue wetting fluid ("Fü").

Immersion tube

Standard version made from brass, type B with connection thread G¹/₂. The diameter of this immersion tube is 10 mm, with a wall thickness of 1 mm. Stainless steel available as an option. **For more information, see chapter "Protection tubes".**

Scale intervals and error limits

SIKA thermometers fulfil the requirements of DIN 16195 "Requirements and testing of industrial glass thermometers". Scale intervals and error limits are defined in relation to the casing size and the display range. For example, a 291 HBZ thermometer, typical for heating applications, with a display range of 0 to 120 °C, has a scale interval of 2 °C and an error limit of 1 °C.

Casing

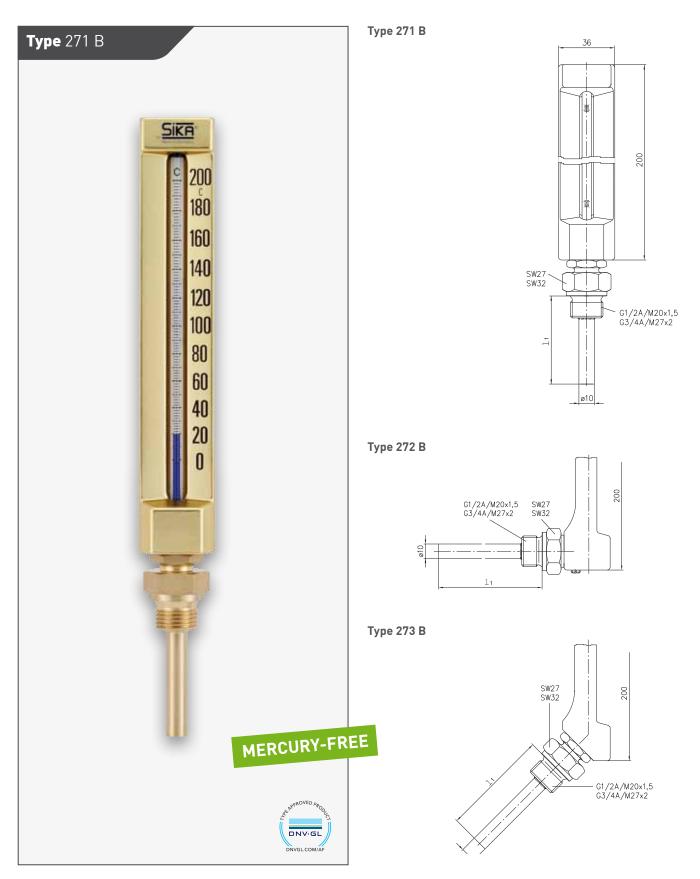
Aluminium, v-shaped, painted in a gold colour. Alternatively, versions with plastic casing top section made from polyamide PA6, black-coloured, are available. The numbers of the display range are printed on the right side and are long-lasting. Connection of casing and immersion tube through grooved adapter piece and locking screw. Advantage: When mounting the thermometer, it is not necessary to turn the casing.

Glass inserts (Capillaries)

Capillary tube of solid glass, bar-shaped, prismatic, diameter approx. 8 mm, with white background for blue fluid column. Scale is deeply burnt in black, thus being absolutely resistant. The main graduations, which correspond with the printing on the casing, are especially clearly outlined.

Industrial thermometers type B with male thread

Nominal size 200 (DIN 16189 B, DIN 16190 S, S1 and DIN 16191 B, B1)



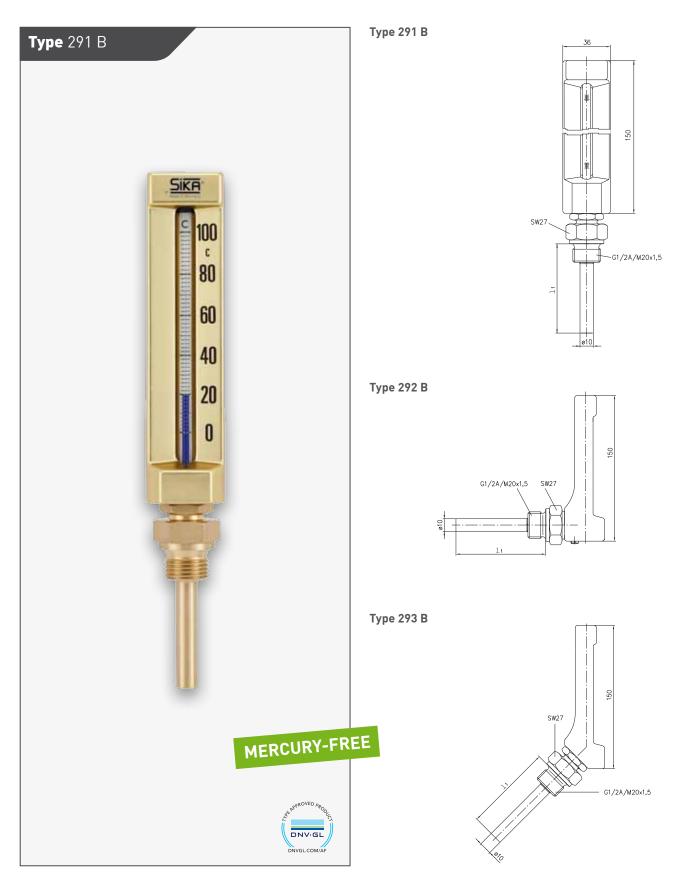


Order example	271	2	35	1	1	063	2	1
Thermometer type								
Straight	271							
Angle 90°	272							
Angle 135° (on request)	273							
Immersion tube type								
Туре В		2						
Display ranges								
-3050 °C			35					
060 °C			06					
0100 °C			10					
0120 °C			12					
0160 °C			16					
0200 °C			20					
0250 °C			25					
0300 °C			30					
0600 °C			60					
Scale								
Celsius °C				1				
Celsius and Fahrenheit (°C + °F)				2				
Thermometric liquid								
Standard blue fluid for display ranges up to 0250 °C					1			
Mercury* for display ranges starting at 0300 °C					2			
Immersion tube length (l ₁)								
63 mm						063		
100 mm						100		
160 mm						160		
250 mm						250		
Fixed male thread								
G1/2 / SW27							2	
G¾ / SW32							3	
M20 x 1.5 / SW27							7	
M27 x 2 / SW32							9	
Immersion tube material								
Brass								1
Steel								2
Stainless steel								3
Special brass								4
Copper-nickel alloy								5

If required please ask for our specification sheet "Immersion tube material"

* See note on availability of thermometric liquids on page 10.

Nominal size 150 (DIN 16185 B and DIN 16186 S)



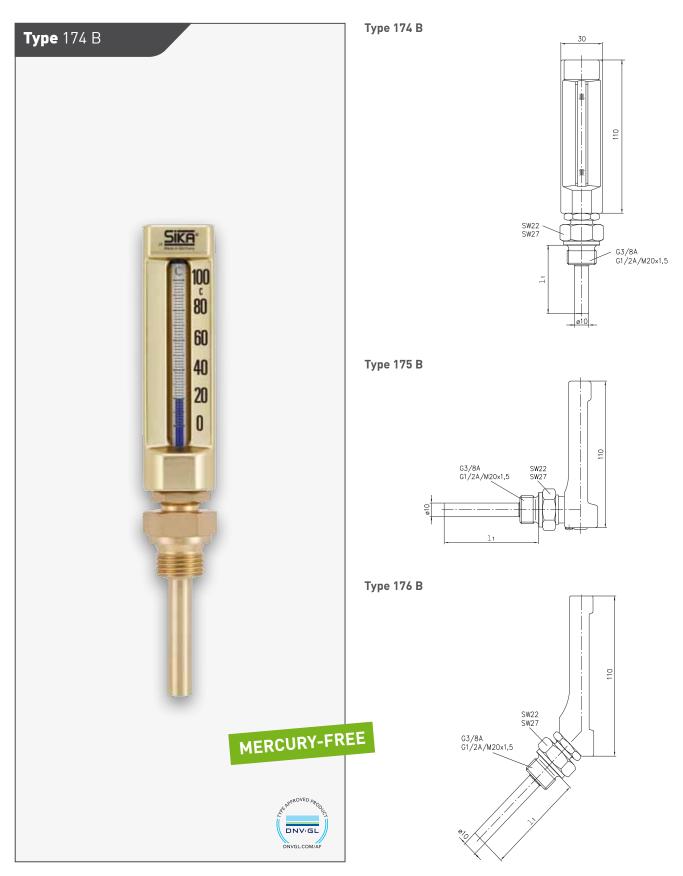


Order example	291	2	35	1	1	063	2	1
Thermometer type								
Straight	291							
Angle 90°	292							
Angle 135° (on request)	293							
Immersion tube type								
Туре В		2						
Display ranges								
-3050 °C			35]				
060 °C			06					
0100 °C			10					
0120 °C			12					
0160 °C			16					
0200 °C			20					
0250 °C			25					
0300 °C			30					
0600 °C			60					
Scale								
Celsius °C				1				
Celsius and Fahrenheit (°C + °F)				2				
Thermometric liquid								
Standard blue fluid for display ranges up to 0250 °C					1			
Mercury* for display ranges starting at 0300 °C					2			
Immersion tube length (l1)								
63 mm						063		
100 mm						100		
160 mm						160		
250 mm						250		
Fixed male thread								
G1/2 / SW27							2	
M20 x 1.5 / SW27							7	
Immersion tube material								
Brass								1
Steel								2
Stainless Steel								3
Special brass								4
Copper-nickel alloy								5

If required please ask for our specification sheet "Immersion tube material"

* See note on availability of thermometric liquids on page 10.

Nominal size 110 (DIN 16181 B, B1 and DIN 16182 S, S1)



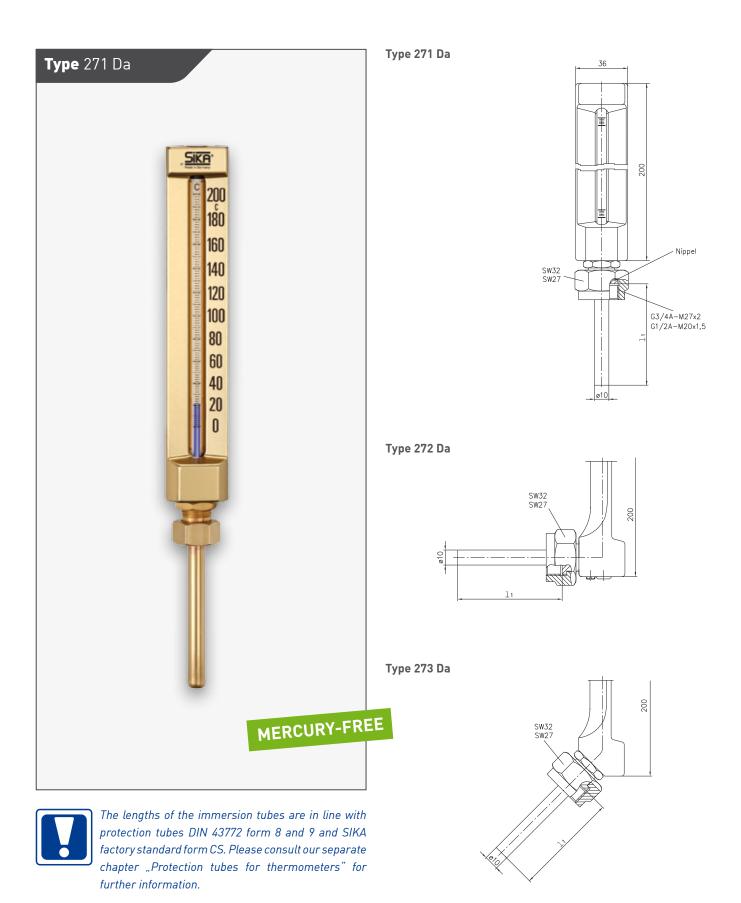


Order example	174	2	35	1	1	063	2	1
Thermometer type								
Straight	174							
Angle 90°	175							
Angle 135° (on request)	176							
Immersion tube type								
Туре В		2						
Display ranges								
-3050 °C			35					
050 °C			05					
00 °C			06					
0100 °C			10					
0120 °C			12					
0160 °C			16					
0200 °C			20					
Scale								
Celsius °C				1				
Celsius and Fahrenheit (°C + °F)				2				
Thermometric liquid						_		
Standard blue fluid					1			
Immersion tube length (l ₁)								
30 mm						030		
40 mm						040		
63 mm						063		
100 mm						100		
160 mm						160		
250 mm						250		
Fixed male thread								
G¾ / SW22							1	
G ¹ / ₂ / SW27							2	
M20 x 1.5 / SW27							7	
Immersion tube material								
Brass								1
Stainless Steel								3
Special brass								4
Copper-nickel alloy								5

If required please ask for our specification sheet "Immersion tube material".

Industrial thermometers type Da with union nut

Nominal size 200 (DIN 16189 C, C1, DIN 16190 S, S1 and DIN 16191 C, C1)



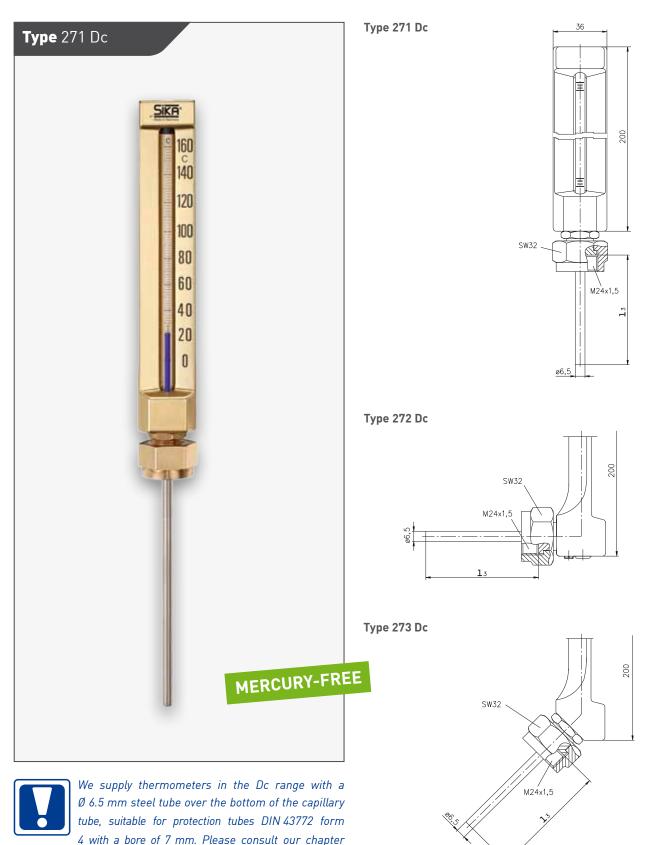


Order example 2	271	3	35	1	1	089	2	Α
Thermometer type								
Straight	271							
0	272							
Angle 135° (on request)	273							
Immersion tube type								
Туре Da		3						
Display ranges								
-3050 °C			35					
060 °C			06					
0100 °C			10					
0120 °C			12					
0160 °C			16					
0200 °C			20					
0250 °C			25					
0300 °C			30					
00° 0060			60					
Scale								
Celsius °C				1				
Celsius and Fahrenheit (°C + °F)				2				
Thermometric liquid								
Standard blue fluid for display ranges up to 0250 °C					1			
Mercury* for display ranges starting at 0300 °C					2			
Immersion tube length (l1)								
With union nut G½, M20 x 1.5 (SW27)							1	
89 mm						089		
126 mm						126		
186 mm						186		
276 mm						276		
426 mm						426		
With union nut G¾, M27 x 2 (SW32)								
93 mm						093		
130 mm						130		
190 mm						190		
280 mm						280		
430 mm						430		
Union nut								1
G1/2 / SW27							2	1
M20 x 1.5 / SW27							7	
G¾ / SW32							3	
M27 x 2 / SW32							9	
Immersion tube material								1
Standard: up to 250 °C = brass, above 250 °C = fitting: brass / tube: steel								A
Option: fitting and tube: stainless steel								C
								0
pace concluit our congrate catalogue. Brotection Jubec for Ibermometers" for further inf	ormati	0.0						

Please consult our separate catalogue "Protection Tubes for Thermometers" for further information. * See note on availability of thermometric liquids on page 10.

Industrial thermometers type Dc with union nut

Nominal size 200 (DIN 16189 F)



"Protection tubes for thermometers" for further information.



Order example	271	5	35	1	1	155	8	Α
Thermometer type								
Straight	271							
Angle 90°	272							
Angle 135° (on request)	273							
Immersion tube type								
Type Dc		5						
Display ranges								
-3050 °C			35]				
060 °C			06					
0100 °C			10					
0120 °C			12					
0160 °C			16					
0200 °C			20					
0250 °C			25					
0300 °C			30					
0600 °C			60					
Scale								
Celsius °C				1				
Celsius and Fahrenheit (°C + °F)				2				
Thermometric liquid								
Standard blue fluid for display ranges up to 0250 °C					1			
Mercury* for display ranges starting at 0300 °C					2			
Immersion tube length (l ₃)								
Immersion tube length match protection tubes according to DII	N 43772 form	4					1	
155 mm						155		
215 mm						215		
275 mm						275		
295 mm						295		
355 mm						355		
415 mm						415		
Union nut made of brass								
M24 x 1.5 / SW32							8	
Immersion tube material								
								٨

Fitting: brass / tube: stainless steel

Please consult our separate catalogue "Protection Tubes for Thermometers" for further information.

* See note on availability of thermometric liquids on page 10.



Legal notice: According to regulation no. 847/2012 of European Union, thermometers with mercury filling are only bound for export outside the EU. Placing them on the market inside the EU after April 10th, 2014 is prohibited. Concerned are industrial thermometers and glass inserts with display ranges 0...300°C and higher, only. In this case, we are recommending the use of our dial or digital thermometers.

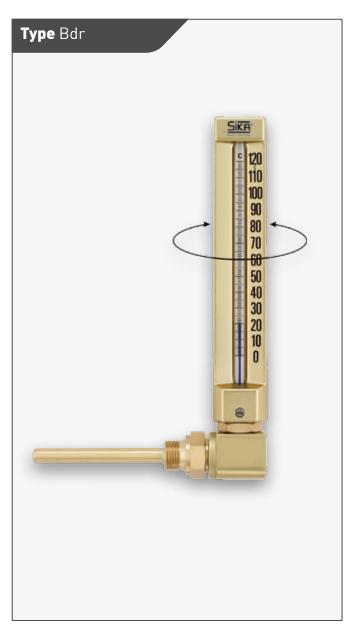
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Special versions and accessories

For industrial versions

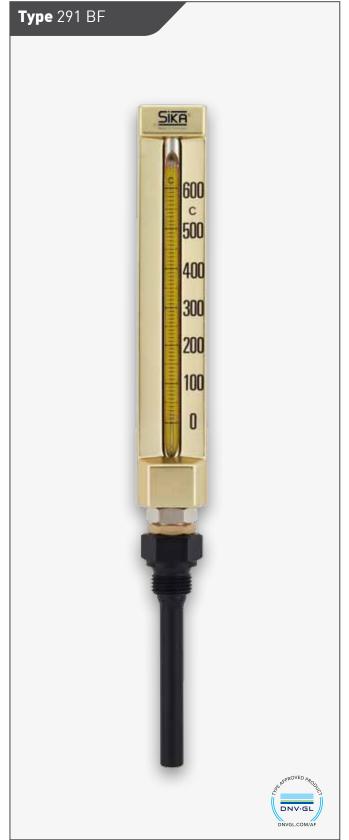
Bdr type rotatable angle model

The casing of the original Bdr type SIKA thermometer can be rotated axially through 360° and therefore be adjusted to be read from any angle. Available as Type 272, 292 and 175.



BF type vibration-resistant model

Thermometer for use in applications exposed to strong vibrations, e.g. on large diesel engines. The glass insert is glued into a steel nickel plated tube and this is spring-mounted in the casing. Highest possible resistance to column separation. Available as Type 271 BF and 291 BF, display ranges 0...100 °C and 0...600 °C.





Thermometers with condensation barrier

When using industrial thermometers in cold applications, rapid cooling of the thermometer housing occurs due to the good thermal conductivity of the immersion tube and aluminium housing. In the event of high air humidity, condensation may form on the housing. This effect can be avoided by using a thermometer with a condensation barrier.

The length of the condensation barrier is 50 mm. As a secondary effect, this distance permits the bridging of thick tube insulation between the immersion tube nipple and thermometer housing.

Condensation barrier Image: Object to the second second

Order example	291	2	35	1	1	063	2	1 ISO
Thermometer type								
Straight	291							
Angle 90°	292							
Immersion tube type								
Туре В		2						
Display range								
-3050 °C			35					
-1050 °C			04					
Scale								
Celsius °C				1				
Thermometric liquid								
Standard blue fluid					1			
Immersion tube length (l ₁)								
63 mm						063		
100 mm						100		
Fixed male thread								
G1/2							2	
Immersion tube material								
Brass								1 ISO
Stainless Steel								3 ISO

Please see our separate chapter "Protection Tubes for Thermometers" for further information.

Room thermometers, Type 278 / Type 378

SIKA room thermometers feature especially robust design and high accuracy for measuring air temperature in all situations where high quality, resistance to breakage and long service life are necessary. Example applications include measuring outdoor temperature in industrial environments and measuring temperatures in cooling cells or machine rooms where robust thermometers are necessary.

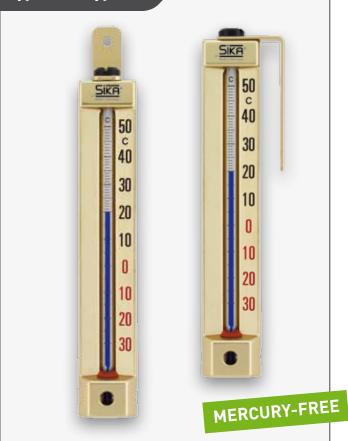
- Easy to use
- Various fitting options thanks to pivoting mounting bracket
- Good legibility
- Robust, breakproof glass tube
- Gold-anodised aluminium housing
- Glass tube with lifelong accuracy
- No electrical power necessary

For good legibility, the thermometers have a 200 mm aluminium housing with anodised gold-tone finish. The measuring area is permanently diffused into the anodising layer. The glass insert is filled with a blue fluid; the scale is permanently baked onto the glass. The scale graduation is 1 °C. Indoor thermometers have a mounting eye at the top and can be fixed with a screw. Outdoor thermometers are supplied with a mounting bracket.

Room thermometers (gold couloured anodized, 200 x 36 mm)

-	
Display range	Order code
-3050 °C	2780351100000
060 °C	2780061100000
0100 °C	2780101100000

Type 278 / **Type** 378



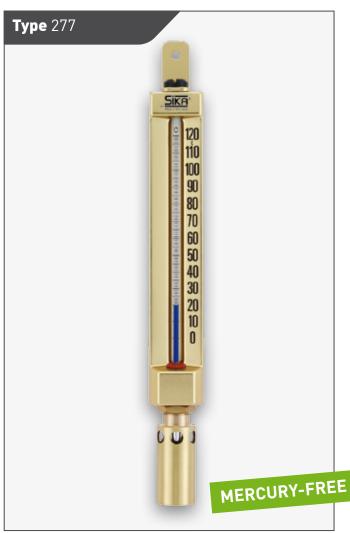
Outdoor thermometer (gold couloured anodized, 200 x 36 mm)

	*
Display range	Order code
-3050 °C	37803511
060 °C	37800611
0100 °C	37801011



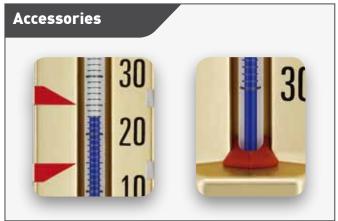
Tank thermometer Type 277

Thermometer for measuring temperatures in fluid tanks. With a perforated cup-shaped base. Display range 0...120 °C.



Options for all models (on request, at extra cost)

- Other measuring ranges
- Other immersion tube lengths and materials
- Other connection threads
- Silver-coloured casing
- Thermometer completely free of non-ferrous metal
- Limit thermometer with 1 pair of limit indicators adjustable to any interval
- Thermometer with sealing sleeve reduces the penetration of moisture into the immersion tube (outdoor mounting, low temperature applications)



Spare parts for original SIKA thermometers

Thermometer glass inserts

Thermometer glass inserts		0
MERCURY-FREE		
	271B 0+120°C/63 DIN 16189B	



Please notice: The required order specification is written on the backside of the glass insert. Spare glass inserts include required mounting parts.

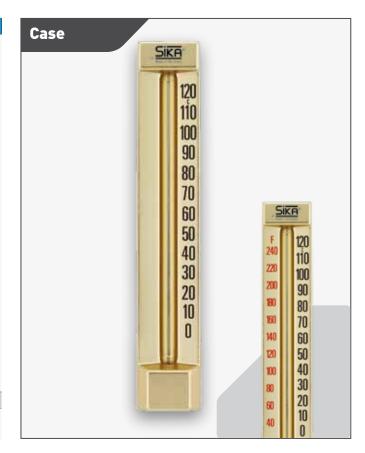


Order example	271	2	35	1	1	30
Thermometer type						
Straight	174]				
	291					
	271					
Angle 90°	175					
	292					
Apgle 1259	272 176					
Angle 135°	293					
	273					
Immersion tube type		<u> </u>				
For thermometers with male thread B		2	_			
For thermometers with union nut Da		3				
For thermometers with union nut Dc		5				
Display ranges			1	1		
-3050 °C			35	1		
060 °C			06			
0100 °C			10			
0120 °C			12			
0160 °C			16			
0200 °C			20			
0300 °C			30			
0600 °C			60			
Scale					-	
Celsius °C Celsius and Fahrenheit (°C + °F)				1		
				2		
Thermometric liquid					1	
Standard blue fluid for display ranges up to 0250 °C					1	
Standard blue fluid for display ranges up to 0250 °C Mercury* for display ranges starting at 0300 °C	otorcl				1 2	
Standard blue fluid for display ranges up to 0250 °C Mercury* for display ranges starting at 0300 °C Immersion tube length (l1 and l3 respectively) (according to complete thermom	neters)				1 2	-
Standard blue fluid for display ranges up to 0250 °C Mercury* for display ranges starting at 0300 °C Immersion tube length (l ₁ and l ₃ respectively) (according to complete thermom For types B with male thread	neters)				1 2	030
Standard blue fluid for display ranges up to 0250 °C Mercury* for display ranges starting at 0300 °C Immersion tube length (l ₁ and l ₃ respectively) (according to complete thermom For types B with male thread 30 mm	neters)				1 2	030
Standard blue fluid for display ranges up to 0250 °C Mercury* for display ranges starting at 0300 °C Immersion tube length (l ₁ and l ₃ respectively) (according to complete thermom For types B with male thread	neters)				1 2	040
Standard blue fluid for display ranges up to 0250 °C Mercury* for display ranges starting at 0300 °C Immersion tube length (l1 and l3 respectively) (according to complete thermom For types B with male thread 30 mm 40 mm	neters)				1 2	
Standard blue fluid for display ranges up to 0250 °C Mercury* for display ranges starting at 0300 °C Immersion tube length (l1 and l3 respectively) (according to complete thermom For types B with male thread 30 mm 40 mm 63 mm	neters)				1 2	040 063
Standard blue fluid for display ranges up to 0250 °C Mercury* for display ranges starting at 0300 °C Immersion tube length (l ₁ and l ₃ respectively) (according to complete thermom For types B with male thread 30 mm 40 mm 63 mm 100 mm 160 mm 250 mm	neters)				1 2	040 063 100
Standard blue fluid for display ranges up to 0250 °C Mercury* for display ranges starting at 0300 °C Immersion tube length (l1 and l3 respectively) (according to complete thermom For types B with male thread 30 mm 40 mm 63 mm 100 mm 160 mm 250 mm For types Da with union nut G1/2 or G3/4	neters)				1 2	040 063 100 160 250
Standard blue fluid for display ranges up to 0250 °C Mercury* for display ranges starting at 0300 °C Immersion tube length (l1 and l3 respectively) (according to complete thermom For types B with male thread 30 mm 40 mm 63 mm 100 mm 160 mm 250 mm For types Da with union nut G½ or G¾ 89 mm / 93 mm	neters)				1 2	040 063 100 160 250 089
Standard blue fluid for display ranges up to 0250 °C Mercury* for display ranges starting at 0300 °C Immersion tube length (l1 and l3 respectively) (according to complete thermom For types B with male thread 30 mm 40 mm 63 mm 100 mm 160 mm 250 mm For types Da with union nut G½ or G¾ 89 mm / 93 mm 126 mm / 130 mm	neters)				1 2	040 063 100 160 250 089 126
Standard blue fluid for display ranges up to 0250 °C Mercury* for display ranges starting at 0300 °C Immersion tube length (l1 and l3 respectively) (according to complete thermom For types B with male thread 30 mm 40 mm 63 mm 100 mm 160 mm 250 mm For types Da with union nut G½ or G¾ 89 mm / 93 mm 126 mm / 130 mm 186 mm / 190 mm	neters)				1 2	040 063 100 160 250 089 126 186
Standard blue fluid for display ranges up to 0250 °C Mercury* for display ranges starting at 0300 °C Immersion tube length (l ₁ and l ₃ respectively) (according to complete thermom For types B with male thread 30 mm 40 mm 63 mm 100 mm 160 mm 250 mm For types Da with union nut G½ or G¾ 89 mm / 93 mm 126 mm / 130 mm 186 mm / 190 mm 276 mm / 280 mm	neters)				1 2	040 063 100 160 250 089 126 186 276
Standard blue fluid for display ranges up to 0250 °C Mercury* for display ranges starting at 0300 °C Immersion tube length (l ₁ and l ₃ respectively) (according to complete thermom For types B with male thread 30 mm 40 mm 63 mm 100 mm 160 mm 250 mm For types Da with union nut G ¹ / ₂ or G ³ / ₄ 89 mm / 93 mm 126 mm / 130 mm 186 mm / 190 mm 276 mm / 280 mm 426 mm / 430 mm	neters)				1 2	040 063 100 160 250 089 126 186
Standard blue fluid for display ranges up to 0250 °C Mercury* for display ranges starting at 0300 °C Immersion tube length (l ₁ and l ₃ respectively) (according to complete thermom For types B with male thread 30 mm 40 mm 63 mm 100 mm 160 mm 250 mm For types Da with union nut G½ or G¾ 89 mm / 93 mm 126 mm / 130 mm 186 mm / 190 mm 276 mm / 280 mm 426 mm / 430 mm For types Dc with union nut M24 x 1.5	neters)				1 2	040 063 100 160 250 089 126 186 276 426
Standard blue fluid for display ranges up to 0250 °C Mercury* for display ranges starting at 0300 °C Immersion tube length (l1 and l3 respectively) (according to complete thermom For types B with male thread 30 mm 40 mm 63 mm 100 mm 160 mm 250 mm For types Da with union nut G½ or G¾ 89 mm / 93 mm 126 mm / 130 mm 186 mm / 190 mm 276 mm / 280 mm 426 mm / 430 mm For types Dc with union nut M24 x 1.5 155 mm	neters)				1 2	040 063 100 160 250 089 126 186 276 426 155
Standard blue fluid for display ranges up to 0250 °C Mercury* for display ranges starting at 0300 °C Immersion tube length (l1 and l3 respectively) (according to complete thermom For types B with male thread 30 mm 40 mm 63 mm 100 mm 160 mm 250 mm For types Da with union nut G½ or G¾ 89 mm / 93 mm 126 mm / 130 mm 186 mm / 190 mm 276 mm / 280 mm 426 mm / 430 mm For types Dc with union nut M24 x 1.5 155 mm 215 mm	neters)				1 2	040 063 100 160 250 089 126 186 276 426 155 215
Standard blue fluid for display ranges up to 0250 °C Mercury* for display ranges starting at 0300 °C Immersion tube length (l1 and l3 respectively) (according to complete thermom For types B with male thread 30 mm 40 mm 63 mm 100 mm 160 mm 250 mm For types Da with union nut G½ or G¾ 89 mm / 93 mm 126 mm / 130 mm 186 mm / 190 mm 276 mm / 280 mm 426 mm / 430 mm For types Dc with union nut M24 x 1.5 155 mm 215 mm 215 mm	neters)				1	040 063 100 160 250 089 126 186 276 426 155 215 275
Standard blue fluid for display ranges up to 0250 °C Mercury* for display ranges starting at 0300 °C Immersion tube length (l1 and l3 respectively) (according to complete thermom For types B with male thread 30 mm 40 mm 63 mm 100 mm 160 mm 250 mm For types Da with union nut G½ or G¾ 89 mm / 93 mm 126 mm / 130 mm 186 mm / 190 mm 276 mm / 280 mm 426 mm / 430 mm For types Dc with union nut M24 x 1.5 155 mm 215 mm	neters)				1 2	040 063 100 160 250 089 126 186 276 426 155 215

 \ast See note on availability of thermometric liquids on page 10.

Aluminium cases for industrial versions

Onder succession	074	0	05	
Order example	271	0	35	
Thermometer type				
Nominal size 200				
Straight	271	0		
Angle 90°	272	0		
Angle 135°	273	0		
Nominal size 150				
Straight	291	0		
Angle 90°	292	0		
Angle 135°	293	0		
Nominal size 110				
Straight	174	0		
Angle 90°	175	0		
Angle 135°	176	0		
Display ranges				
-3050 °C			35	
060 °C			06	
0100 °C			10	
0120 °C			12	
0160 °C			16	
0200 °C			20	
0300 °C			30	
0600 °C			60	
Scale				
Celsius °C				
Celsius and Fahrenheit (°C +	°F)			

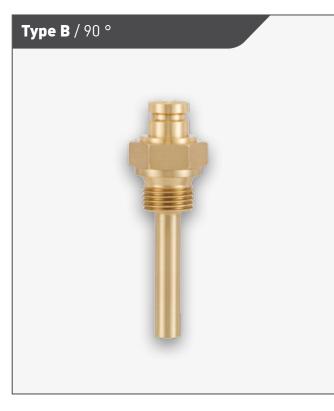




Immersion tubes for industrial versions

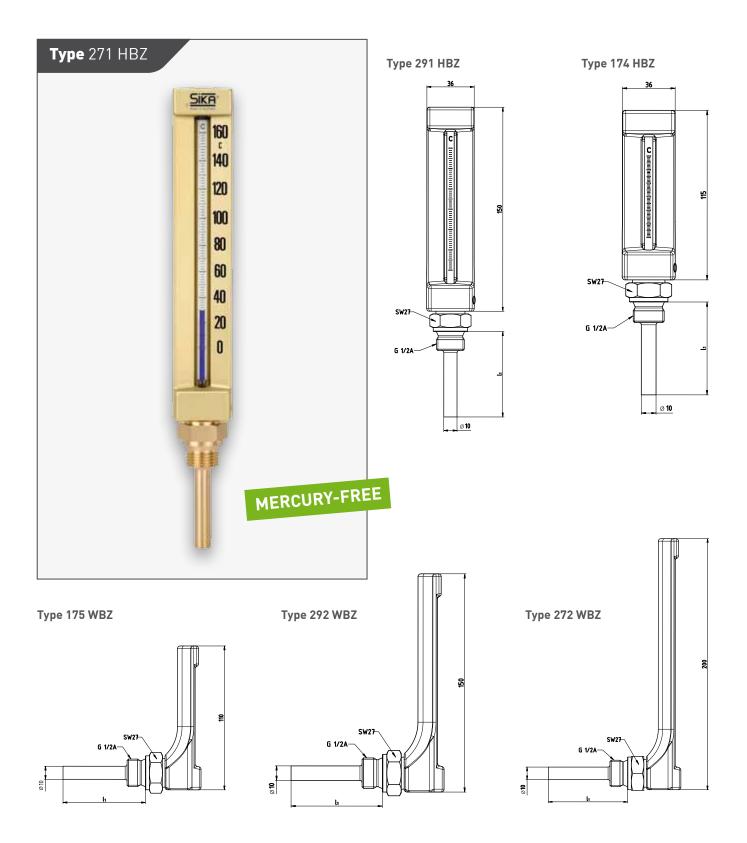
Order example	030	5	1	1
Immersion tube length (l ₁)				
30 mm	030			
40 mm	040			
63 mm	063			
100 mm	100			
160 mm	160			
250 mm	250			
Fixed male thread]	
G3/8		1		
G1/2		2		
G3/4		3		
G1		4		
M16 x 1.5		5		
M20 x 1.5		7		
M27 x 2		9		
Immersion tube material				
Brass			1	
Steel			2	
Stainless steel			3	
Special brass			4	
Copper-nickel alloy			5	
Туре				
Straight or angle type 135°				1
Angle type 90°				2





SIKA Thermometers for HVAC applications

With painted aluminium case*





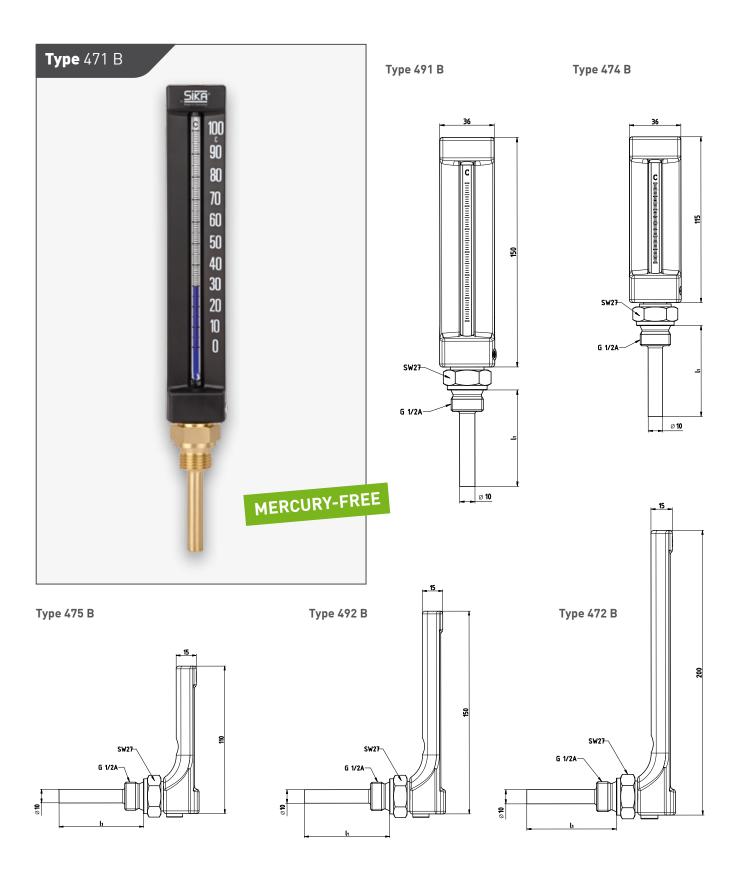
Order example	271	8	35	1	1	063	2	1
Thermometer casings								
Nominal size 200								
Gold-coloured, straight	271							
Gold-coloured, angle 90°	272							
Nominal size 150								
Gold-coloured, straight	291							
Gold-coloured, angle 90°	292							
Nominal size 110								
Gold-coloured, straight	174							
Gold-coloured, angle 90°	175							
Immersion tube type								
Straight HBZ		8						
Angle 90° WBZ		4						
Display range								
-3050 °C			35	1				
-1050 °C			04					
060 °C			06					
0100 °C			10					
0120 °C			12					
0160 °C			16					
0200 °C			20					
Scale								
Celsius °C				1				
Thermometric liquid								
Standard blue fluid					1			
Immersion tube length (l1)								
63 mm						063]	
100 mm						100		
160 mm						160		
250 mm						250		
Fixed male thred								
G½ / SW27 (other threads on request)							2	
Immersion tube material								
Brass								1

Dimensions in accordance with DIN 16181-16190, accuracy in accordance with DIN 16195 \ast OEM version, only for volume quantities



Max. ambient temperature at the housing 160 °C.

With polyamide case*





Order example	471	2	35	1	1	063	2	1
Thermometer type								
Nominal size 200								
Black, straight	471							
Black, angle 90°	472							
Nominal size 150								
Black, straight	491							
Black, angle 90°	492							
Nominal size 110								
Black, straight	474							
Black, angle 90°	475							
Immersion tube type								
Straight + Angle 90°		2						
Display range								
-3050 °C			35					
-1050 °C			04					
060 °C			06					
0100 °C			10					
0120 °C			12					
0160 °C			16					
0200 °C			20					
Scale								
Celsius °C				1				
Thermometric liquid								
Standard blue fluid					1			
Immersion tube length (l ₁)							1	
63 mm						063]	
100 mm						100		
160 mm						160		
250 mm						250		
Fixed male thread								
G½ / SW27 (other threads on request)							2	
Immersion tube material								
Brass								1
Stainless steel								3

Dimensions in accordance with DIN 16181-16190, accuracy in accordance with DIN 16195

* OEM version, only for volume quantities



Max. ambient temperature at the housing 160 °C.