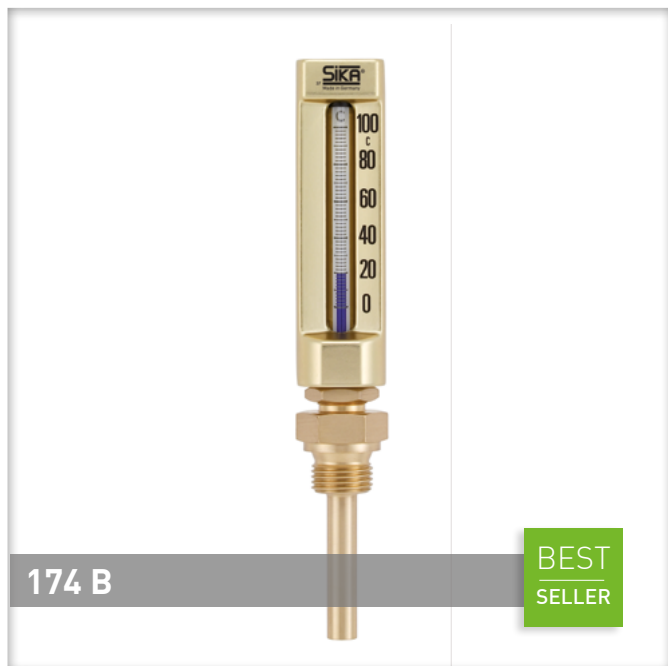



Fixed male thread // Nominal size 110 // Aluminium anodized



Your advantages

Type	174 /175 B
	<ul style="list-style-type: none"> • Accuracy according to DIN 16195 • No aging - no moving parts and no mechanical wear • Lifetime warranty* • Completely without electrical auxiliary energy

Technical data

Type	174 B	175 B
Standard	DIN 16181 B, B1 and DIN 16182 S, S1	
Version	Straight	Angle 90°
Dimensions Housing	110 x 30 mm	
Measuring range according to DIN	Between -30...200 °C	
Error limits according to DIN 16195	2 °C	
Medium / Application	Liquid and gaseous media	
Immersion tube length	Between 30...250 mm	
Immersion tube diameter	Ø 10 mm	
Process connection	Fixed male thread G $\frac{3}{8}$, G $\frac{1}{2}$, M20 x 1.5	
Pressure rating**	→ Immersion tube brass, brazed → Immersion tube steel or stainless steel, welded → Immersion tube special brass or CuNi30Fe	
Medium temperature	See selected measurement range	
Ambient temperature	-20...60 °C (only indoors)	
Storage temperature	-40...100 °C	
Approvals		

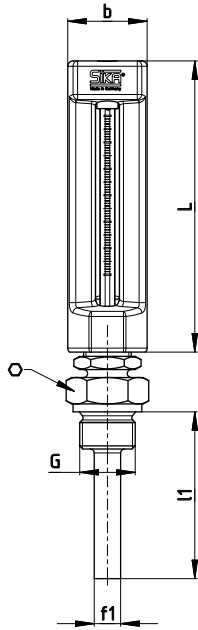
* Except glass breakage and improper installation.

** Non-binding guideline - For higher pressure loads, additional protection tubes have to be used.

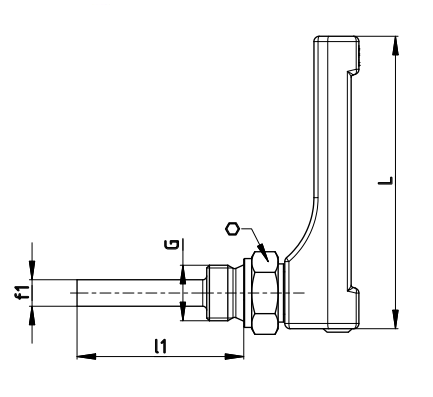
Options

For type	See separate data sheet
174 / 175 B	Version for serial applications Types HBZ / WBZ

Type 174 B



Type 175 B



Dimensions [mm]	L	f ₁	b	l ₁	G / ∅ Width across flats
174 B	110	∅ 10	30	30	G ³ / ₈ / SW22 G ¹ / ₂ / SW27 M20 x 1.5 / SW27
175 B				40 63 100 160 250	

Material

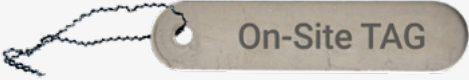
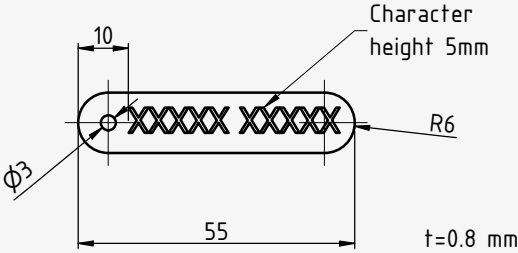
Housing	Warm pressed aluminium part, gold anodized
Thermometer capillary	Prismatic capillary tube of solid glass, bar-shaped, diameter approx. ∅ 6 mm, scale permanently burnt in
Thermometer filling → Blue	Petroleum
Material in contact with media	
Process connection	see immersion tube material
Immersion tube material → Standard → Optional	Brass, brazed Stainless steel, welded Special brass (sea water resistant) Copper nickel alloy CuNi30Fe (sea water resistant)

Order code									
Version									
Straight		174							
Angle 90 °		175							
Immersion tube type									
Type B - fixed male thread		2							
Display ranges									
-30...50 °C		35							
0...50 °C		05							
0...60 °C		06							
0...100 °C		10							
0...120 °C		12							
0...160 °C		16							
0...200 °C		20							
Scale									
Celsius °C		1							
Celsius and Fahrenheit (°C + °F)		2							
Thermometer filling									
Blue		1							
Immersion tube length (l₁)									
30 mm		030							
40 mm		040							
63 mm		063							
100 mm		100							
160 mm		160							
250 mm		250							
Process connection									
G ³ / ₈ / 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							
Example order number		174		2		35		1 1 030 1 1	

If required please ask for our specification sheet „Immersion tube material“

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Type	Immersion tube length (l ₁)	Order number							
174 B	Straight type, 0...100 °C	40 mm	174	2	10	1	040	2	1
174 B	with fixed male thread G ¹ / ₂ ,	63 mm	174	2	10	1	063	2	1
174 B	Immersion tube brass	100 mm	174	2	10	1	100	2	1
175 B	Angle type, 0...100 °C	40 mm	175	2	10	1	040	2	1
175 B	with fixed male thread G ¹ / ₂ ,	63 mm	175	2	10	1	063	2	1
175 B	Immersion tube brass	100 mm	175	2	10	1	100	2	1

Accessories	Article number
<p>Measuring point designation</p> <p>Laser-inscribed stainless steel plate with fixing wire for easy attachment to measuring points</p> <ul style="list-style-type: none"> → 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 <div style="display: flex; align-items: center; justify-content: space-around; margin-top: 20px;">   </div>	<p>ONSITETAG</p>