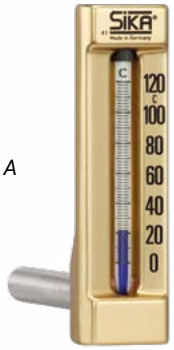
Industrial thermometers type 174 A, 175 A

Weld-in immersion tube // Nominal size 110 // Aluminium anodized

174 A



175 A



Highlights

- 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 A	175 A
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 60…120 °C	
Error limits according to DIN 16195	2 °C	
Medium / Application	Liquid and gaseous media	
Immersion tube length	78, 115, 175 mm	
Immersion tube diameter	Ø 12 mm	
Process connection	Weld-in immersion tube	
Pressure rating**	PN 35	
Medium temperature	See selected measurement range	
Ambient temperature	-20…60 °C (only indoors)	
Storage temperature	-40…100 °C	

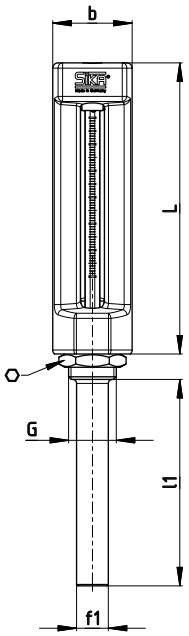
* Except glass breakage and improper installation.

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

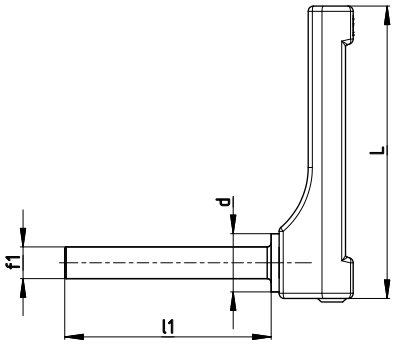
Grubatec AG - Gewerbehaus Ergolz, Wölferstrasse 5 - 4414 Füllinsdorf
Telefon: +41 (0)55 617 00 80 - www.grubatec.ch - sales@grubatec.ch

Technical drawings // Dimensions

Type 174 A



Type 175 A



Dimensions [mm]				
Type	**L**	**f_1**	**b**	**l_1**
174 A / 175 A	110	Ø 12	30	78 115 175

Materials

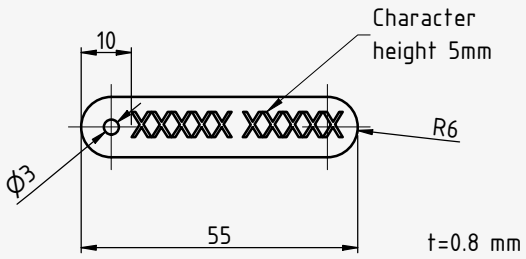
Materials	
Not in contact with media	
Housing	Warm pressed aluminium part, gold anodized
Thermometer capillary	Prismatic capillary tube of solid glass, bar-shaped, diameter approx. Ø 6 mm, scale permanently burnt in
Thermometer filling → Blue	Petroleum
In contact with media	
Process connection	see immersion tube material
Immersion tube material → Standard	steel, welded

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Article numbers

Order code								
Version								
Straight	174							
Angle 90 °	175							
Immersion tube type								
Type A - plain immersion tube		1						
Display ranges								
0...120 °C			12					
0...160 °C			16					
Scale								
Celsius °C				1				
Thermometer filling								
Blue					1			
Immersion tube length (L)								
78 mm						078		
115 mm						115		
175 mm						175		
Process connection								
Weld-in immersion tube							0	
Immersion tube material								
Steel								2
Example order number	**174**	**1**	**12**	**1**	**1**	**078**	**0**	**2**

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**