# Industrial Thermometers
## DIN 16181 B, DIN 16182 B

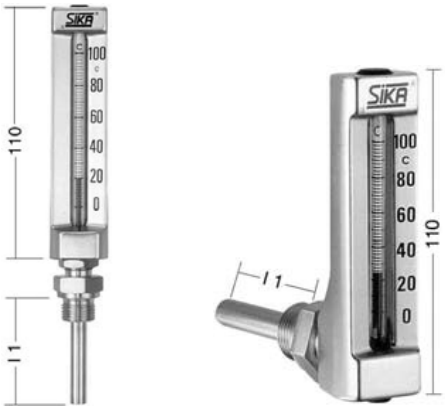
### Thermometer, straight type

- Casing 110…30 mm, Type 174 B
- DIN 16181 B
- Thread connection : G1/2 A, 1/2" BSP *

### Thermometer, angle type 90°

- Casing 110…30 mm, Type 175 B
- DIN 16182 B
- Thread connection: G1/2 A, 1/2" BSP *

* Also available with thread connections: G3/4A, M20x1.5, M27x2, 1/2 NPT




### Type 174 B / Straight

| Order code | SIKA | ISSA | IMPA |
|---|---|---|---|
| Display range [°C] | Immersion tube length ($l_1$) 30 mm | | |
| -30...50 | 1742351103021 | | |
| 0...60 | 1742061103021 | | |
| 0...100 | 1742101103021 | | 65 19 81 |
| 0...120 | 1742121103021 | | |
| 0...160 | 1742161103021 | | |
| 0...200 | 1742201103021 | | 65 19 86 |
| Display range [°C] | Immersion tube length ($l_1$) 40 mm | | |
| -30...50 | 1742351104021 | | |
| 0...60 | 1742061104021 | | |
| 0...100 | 1742101104021 | | 65 19 82 |
| 0...120 | 1742121104021 | | |
| 0...160 | 1742161104021 | | |
| 0...200 | 1742201104021 | | 65 19 87 |
| Display range [°C] | Immersion tube length ($l_1$) 63 mm | | |
| -30...50 | 1742351106321 | 61.112.07 | |
| 0...60 | 1742061106321 | 61.112.13 | |
| 0...100 | 1742101106321 | 61.112.19 | 65 19 83 |
| 0...120 | 1742121106321 | 61.112.25 | |
| 0...160 | 1742161106321 | 61.112.31 | |
| 0...200 | 1742201106321 | | 65 19 88 |
| Display range [°C] | Immersion tube length ($l_1$) 100 mm | | |
| -30...50 | 1742351110021 | 61.112.08 | |
| 0...60 | 1742061110021 | 61.112.14 | |
| 0...100 | 1742101110021 | 61.112.20 | 65 19 84 |
| 0...120 | 1742121110021 | 61.112.26 | |
| 0...160 | 1742161110021 | 61.112.32 | |
| 0...200 | 1742201110021 | | 65 19 89 |
| Display range [°C] | Immersion tube length ($l_1$) 160 mm | | |
| -30...50 | 1742351116021 | 61.112.09 | |
| 0...60 | 1742061116021 | 61.112.15 | |
| 0...100 | 1742101116021 | 61.112.21 | 65 19 85 |
| 0...120 | 1742121116021 | 61.112.27 | |
| 0...160 | 1742161116021 | 61.112.33 | |
| 0...200 | 1742201116021 | | 65 19 90 |

### Type 175 B / Angle 90°

| Order code | SIKA | ISSA | IMPA |
|---|---|---|---|
| Display range [°C] | Immersion tube length ($l_1$) 30 mm | | |
| -30...50 | 1752351103021 | | |
| 0...60 | 1752061103021 | | |
| 0...100 | 1752101103021 | | 65 20 81 |
| 0...120 | 1752121103021 | | |
| 0...160 | 1752161103021 | | |
| 0...200 | 1752201103021 | | 65 20 86 |
| Display range [°C] | Immersion tube length ($l_1$) 40 mm | | |
| -30...50 | 1752351104021 | 61.115.06 | |
| 0...60 | 1752061104021 | 61.115.11 | |
| 0...100 | 1752101104021 | 61.115.16 | 65 20 82 |
| 0...120 | 1752121104021 | 61.115.21 | |
| 0...160 | 1752161104021 | 61.115.26 | |
| 0...200 | 1752201104021 | | 65 20 87 |
| Display range [°C] | Immersion tube length ($l_1$) 63 mm | | |
| -30...50 | 1752351106321 | 61.115.08 | |
| 0...60 | 1752061106321 | 61.115.13 | |
| 0...100 | 1752101106321 | 61.115.18 | 65 20 83 |
| 0...120 | 1752121106321 | 61.115.23 | |
| 0...160 | 1752161106321 | 61.115.28 | |
| 0...200 | 1752201106321 | | 65 20 88 |
| Display range [°C] | Immersion tube length ($l_1$) 100 mm | | |
| -30...50 | 1752351110021 | 61.115.09 | |
| 0...60 | 1752061110021 | 61.115.14 | |
| 0...100 | 1752101110021 | 61.115.19 | 65 20 84 |
| 0...120 | 1752121110021 | 61.115.24 | |
| 0...160 | 1752161110021 | 61.115.29 | |
| 0...200 | 1752201110021 | | 65 20 89 |
| Display range [°C] | Immersion tube length ($l_1$) 160 mm | | |
| -30...50 | 1752351116021 | 61.115.10 | |
| 0...60 | 1752061116021 | 61.115.15 | |
| 0...100 | 1752101116021 | 61.115.20 | 65 20 85 |
| 0...120 | 1752121116021 | 61.115.25 | |
| 0...160 | 1752161116021 | 61.115.30 | |
| 0...200 | 1752201116021 | | 65 20 90 |

GL

Type 174 & 175 Approved
Germanischer Lloyd
Certificate No. 94 654 94 HH

# Thermometer Inserts

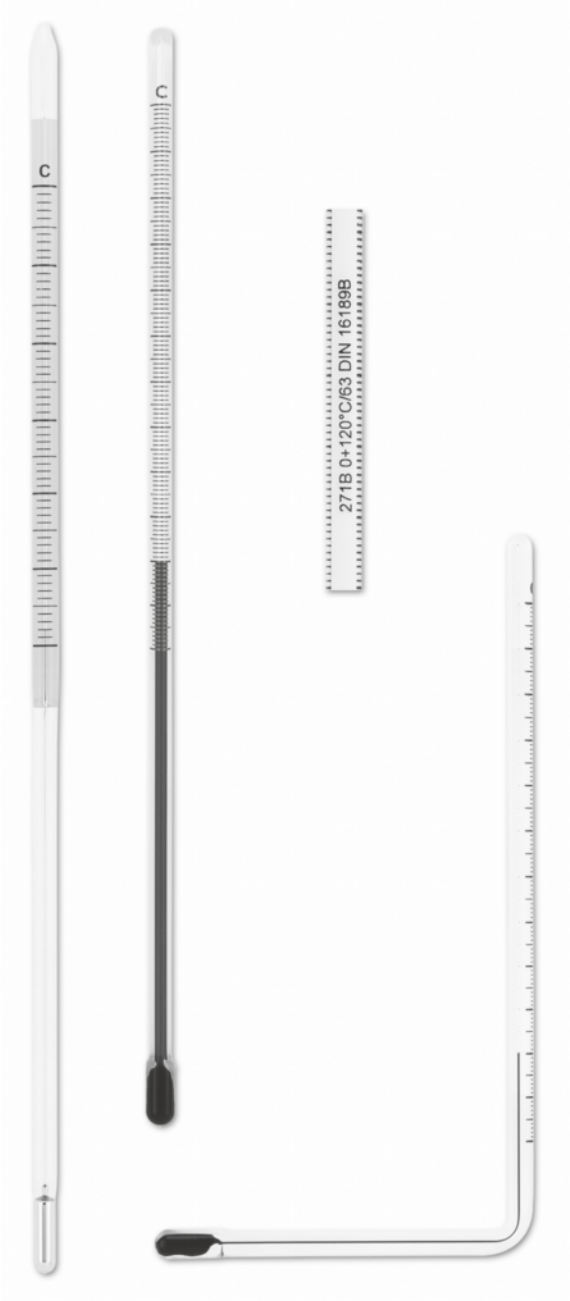
Since 1901 we at SIKA Dr. Siebert and Kühn have been producing precision measuring and control instruments. Mechanical parts as well as glass inserts of our standard types are produced in automated manufacturing processes.

However, the glass inserts of special versions, e. g. high temperature versions are still manufactured by our glassblowers in traditional handcraft.

Thanks to our long year experience and proven manufacturing processes in Germany, we are in the position to guarantee best quality. SIKA thermometers meet highest demands in precision as well as in mechanical stability.

**Original SIKA thermometers simply last longer than most others.**

| Order example | 174 | 2 | 35 | 1 | 1 | 030 |
|---|---|---|---|---|---|---|
| **Thermometer type** | | | | | | |
| Straight | 174 | | | | | |
| | 291 | | | | | |
| | 271 | | | | | |
| Angle 90° | 175 | | | | | |
| | 292 | | | | | |
| | 272 | | | | | |
| **Immersion tube** | | | | | | |
| Type B | | 2 | | | | |
| **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 | | | |
| 0...250 °C | | | 25 | | | |
| 0...300 °C | | | 30 | | | |
| 0...600 °C | | | 60 | | | |
| **Scale** | | | | | | |
| Celsius (°C) | | | | 1 | | |
| Celsius + Fahrenheit (°C + °F) | | | | 2 | | |
| **Filling** | | | | | | |
| Standard fluid for ranges up to 250 °C | | Fü | | | 1 | |
| Mercury for ranges above 250 °C | | HG | | | 2 | |
| **Immersion tube length** | | | | | | |
| Immersion tube length l1 in mm | | | | | | 030 |
| (according to complete thermometers) | | | | | | 040 |
| for types B with fixed male connection thread | | | | | | 063 |
| | | | | | | 100 |
| | | | | | | 160 |
| | | | | | | 250 |




**Attention:**

The exact order text is marked on the back of the capillary:
DIN No., range, immersion length .