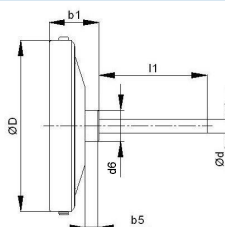


## Bimetal thermometer - high-quality version



|                         |                                                                                                                        |
|-------------------------|------------------------------------------------------------------------------------------------------------------------|
| Design type             | Bimetal thermometer with bimetal spiral measuring element                                                              |
| Connection              | smooth, with collar for protective tube                                                                                |
| Nominal size            | Diameter 63mm and 100mm                                                                                                |
| Material                | Housing and immersion tube Stainless steel, Dial plate Aluminium, Pointer Aluminium, Sight glass Instrument flat glass |
| Accuracy                | Class 1,0 according to EN13190                                                                                         |
| Temperature range       | see table                                                                                                              |
| max. Operating pressure | depending on the selected protective tube                                                                              |
| Application area        | Continuous duty Measuring range<br>temporary (max. 24h) Display range                                                  |
| Application             | Liquids, gases and vapours which do not attack the materials used                                                      |
| Special versions        | Display range °F, °C/°F, other display ranges, other connection types                                                  |
| Ordering note           | Protective tube please select separately                                                                               |
| Accessories             | Protective tubes Series SR                                                                                             |

### Dimensions



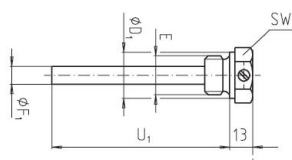
| Diameter<br>ØD | b <sub>1</sub> | b <sub>5</sub> | Ød | d <sub>6</sub> | Immersion tube length<br>l <sub>1</sub> | Weight<br>[approx. kg] |
|----------------|----------------|----------------|----|----------------|-----------------------------------------|------------------------|
| 63             | 29             | 13             | 8  | 18             | 63, 100, 160                            | 0,16                   |
| 100            | 35             | 13             | 8  | 18             | 63, 100, 160                            | 0,30                   |



| Diameter [mm] | Display range [°C] | Measuring range [°C] | Immersion tube length | Type |
|---------------|--------------------|----------------------|-----------------------|------|
| 63            | -30/50             | -20/40               | 63                    | 5221 |
| 63            | 0 - 120            | 10 - 110             | 63                    | 5222 |
| 63            | 0 - 160            | 20 - 140             | 63                    | 5223 |
| 63            | 0 - 200            | 20 - 180             | 63                    | 5224 |
| 63            | 0 - 250            | 30 - 220             | 63                    | 5225 |
| 63            | -30/50             | -20/40               | 100                   | 5226 |
| 63            | 0 - 120            | 10 - 110             | 100                   | 5227 |
| 63            | 0 - 160            | 20 - 140             | 100                   | 5228 |
| 63            | 0 - 200            | 20 - 180             | 100                   | 5229 |
| 63            | 0 - 250            | 30 - 220             | 100                   | 5230 |
| 63            | -30/50             | -20/40               | 160                   | 5231 |
| 63            | 0 - 120            | 10 - 110             | 160                   | 5232 |
| 63            | 0 - 160            | 20 - 140             | 160                   | 5233 |

| Diameter [mm] | Display range [°C] | Measuring range [°C] | Immersion tube length | Type |
|---------------|--------------------|----------------------|-----------------------|------|
| 100           | -30/50             | -20/40               | 63                    | 5241 |
| 100           | 0 - 120            | 10 - 110             | 63                    | 5242 |
| 100           | 0 - 160            | 20 - 140             | 63                    | 5243 |
| 100           | 0 - 250            | 30 - 220             | 63                    | 5245 |
| 100           | -30/50             | -20/40               | 100                   | 5246 |
| 100           | 0 - 120            | 10 - 110             | 100                   | 5247 |
| 100           | 0 - 160            | 20 - 140             | 100                   | 5248 |
| 100           | 0 - 200            | 20 - 180             | 100                   | 5249 |
| 100           | 0 - 250            | 30 - 220             | 100                   | 5250 |
| 100           | -30/50             | -20/40               | 160                   | 5251 |
| 100           | 0 - 120            | 10 - 110             | 160                   | 5252 |
| 100           | 0 - 160            | 20 - 140             | 160                   | 5253 |
| 100           | 0 - 200            | 20 - 180             | 160                   | 5254 |
| 100           | 0 - 250            | 30 - 220             | 160                   | 5255 |

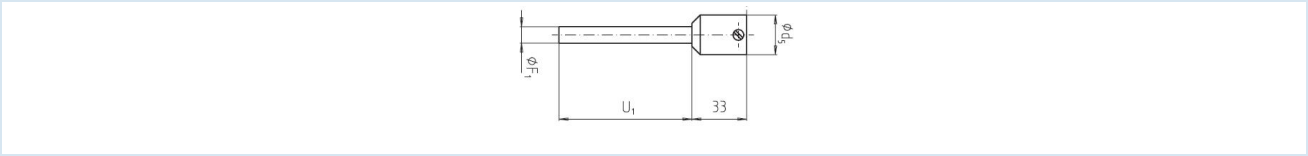
#### Protective tubes SR0. or rather SR1.



| Connection E | Immersion tube length U <sub>1</sub> | max. Operating pressure | Material               | Sealing bead ØD <sub>1</sub> | Protective tube ØF <sub>1</sub> | SW | Type |
|--------------|--------------------------------------|-------------------------|------------------------|------------------------------|---------------------------------|----|------|
| 1/2"         | 63                                   | 6                       | Copper alloy           | 26                           | 10                              | 27 | SR01 |
| 1/2"         | 63                                   | 25                      | Stainless steel 1.4571 | 26                           | 10                              | 27 | SR11 |
| 1/2"         | 100                                  | 6                       | Copper alloy           | 26                           | 10                              | 27 | SR02 |
| 1/2"         | 100                                  | 25                      | Stainless steel 1.4571 | 26                           | 10                              | 27 | SR12 |
| 1/2"         | 160                                  | 6                       | Copper alloy           | 26                           | 10                              | 27 | SR03 |
| 1/2"         | 160                                  | 25                      | Stainless steel 1.4571 | 26                           | 10                              | 27 | SR13 |



Protective tubes SR2..



| Immersion tube length | Installation length<br>U <sub>1</sub> | max. Operating pressure | Material               | Welding spigot<br>Ød <sub>5</sub> | Protective tube<br>ØF <sub>1</sub> | Type |
|-----------------------|---------------------------------------|-------------------------|------------------------|-----------------------------------|------------------------------------|------|
| 63                    | 43                                    | 25                      | Stainless steel 1.4571 | 24                                | 10                                 | SR21 |
| 100                   | 80                                    | 25                      | Stainless steel 1.4571 | 24                                | 10                                 | SR22 |
| 160                   | 140                                   | 25                      | Stainless steel 1.4571 | 24                                | 10                                 | SR23 |

Illustrations non-binding  
Design, dimensional and material changes reserved

Pneumatics / Hoses, Tubes, Manometer and accessories / Accessories for thermometers / Protecting tube