

# Screw - in resistance thermometer Type 186

with replaceable measuring insert

Page : H 400 – 2e

Design similarly to DIN 43 763 B

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Resistance thermometer with connection head form B, firmly welded thread, measuring insert replaceable.  
Degree of protection IP54 standard.

**Blank tube:** Type TK186, according to drawing H 400-186, protection tube material 1.4541 / 1.4571,  
maximum temperature in connection head 80 °C

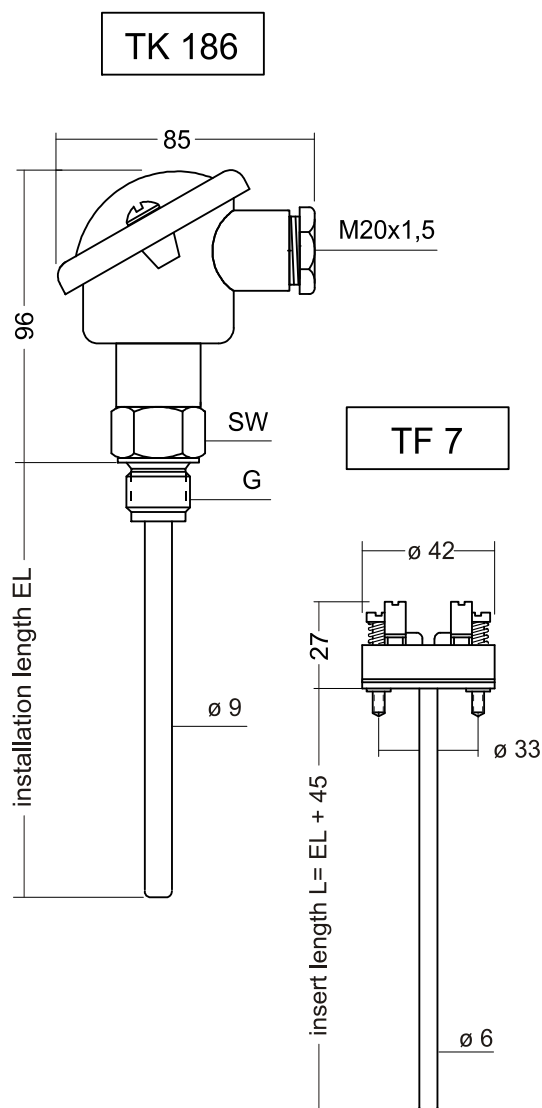
**Measuring insert:** Type TF7, according to drawing H 601-7, for connection head form B.  
Protection tube material 1.4541 / 1.4571, maximum temperature depending on design.

| EL<br>mm                 | screw-in thread<br>G1/2 SW 27 | screw-in thread<br>G3/4 SW 32 |
|--------------------------|-------------------------------|-------------------------------|
|                          | Article - No                  | Article - No                  |
| 50                       | TS186.001                     | TS186.009                     |
| 100                      | TS186.002                     | TS186.010                     |
| 150                      | TS186.003                     | TS186.011                     |
| 200                      | TS186.005                     | TS186.013                     |
| 250                      | TS186.007                     | TS186.014                     |
| Type                     | TSK8-186-...-R12              | TSK8-186-...-R34              |
| Other threads on request |                               |                               |

| Measuring insert Type TF 7 d = 6 mm |                        |                        |                        |                    |
|-------------------------------------|------------------------|------------------------|------------------------|--------------------|
| 1 x Pt100 2 - wire technology       |                        |                        |                        |                    |
| EL<br>mm                            | 200 °C<br>Article - No | 400 °C<br>Article - No | 600 °C<br>Article - No | L<br>Insert length |
| 50                                  | TF007.0201             | TF007.0234             | TF007.0207             | 95 mm              |
| 100                                 | TF007.0003             | TF007.0074             | TF007.0208             | 145 mm             |
| 150                                 | TF007.0045             | TF007.0203             | TF007.0209             | 195 mm             |
| 200                                 | TF007.0129             | TF007.0204             | TF007.0210             | 245 mm             |
| 250                                 | TF007.0031             | TF007.0205             | TF007.0211             | 295 mm             |
| Type                                | TMP2-7-...-d6          | TMP4-7-...-d6          | TMP6-7-...-d6          |                    |

| 1 x Pt100 4 - wire technology |                        |                        |  |                    |
|-------------------------------|------------------------|------------------------|--|--------------------|
| EL<br>mm                      | 200 °C<br>Article - No | 400 °C<br>Article - No |  | L<br>Insert length |
| 50                            | TF007.0213             | TF007.0218             |  | 95 mm              |
| 100                           | TF007.0214             | TF007.0219             |  | 145 mm             |
| 150                           | TF007.0156             | TF007.0220             |  | 195 mm             |
| 200                           | TF007.0215             | TF007.0221             |  | 245 mm             |
| 250                           | TF007.0216             | TF007.0222             |  | 295 mm             |
| Type                          | TMPz2-7-...-d6         | TMPz4-7-...-d6         |  |                    |

| 2 x Pt100 2 - wire technology |                        |                        |  |                    |
|-------------------------------|------------------------|------------------------|--|--------------------|
| EL<br>mm                      | 200 °C<br>Article - No | 400 °C<br>Article - No |  | L<br>Insert length |
| 50                            | TF007.0224             | TF007.0229             |  | 95 mm              |
| 100                           | TF007.0070             | TF007.0230             |  | 145 mm             |
| 150                           | TF007.0225             | TF007.0231             |  | 195 mm             |
| 200                           | TF007.0226             | TF007.0232             |  | 245 mm             |
| 250                           | TF007.0227             | TF007.0098             |  | 295 mm             |
| Type                          | TM2P2-7-...-d6         | TM2P4-7-...-d6         |  |                    |



These resistance thermometer types are also available in different lengths, with other resistors and as thermocouple too.

Installation of a 2-wire transducer with output 4-20 mA possible.



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