

## ● Characteristics

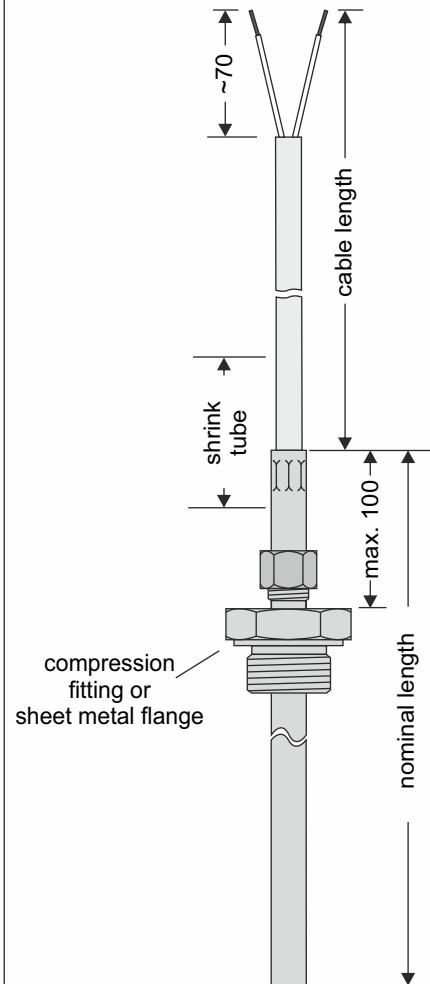
1 - TEMPERATURE SENSOR

<b>Thermocouple:</b>	type J (Fe-CuNi) / type K (NiCr-Ni) The operating temperature range is dependent on the selected connection cable.
<b>Thermowell:</b>	stainless steel 1.4571 (316Ti)
<b>Ø Thermowell:</b>	4 / 5 / 6 mm wall thickness: 0,25...1 mm
<b>Nominal length:</b>	standard: 30 mm (Ø4) / 50 mm (Ø4) 50 mm (Ø5) / 46 mm (Ø6) / 70 mm (Ø6) maximum length: 2000 mm option: according to details
<b>Connection cable:</b>	PVC-PVC / PTFE-silicone / PTFE-PTFE / PTFE-braiding-PTFE Fiberglass-Fiberglass-stainless steel braiding
<b>Connection:</b>	open wire ends, bared, 70 mm TE-plug standard / TE-plug mini option: other length (open wire ends)
<b>Cable length:</b>	standard: 2 m option: according to details (max. 6 m)
<b>Antikink:</b>	shrink tube option: spring
<b>Thermowell to cable:</b>	hexagonal crimping option: ring crimping
<b>Protection class:</b>	IP65 (up to 250 °C) not for stainless steel braiding
<b>Insulation resistance:</b>	test voltage: 500 VDC
<b>Mineral insulator:</b>	without
<b>Accuracy:</b>	as per DIN EN 60584-2 class 1 type J: $\pm 1,5\text{ °C}$ (-40...375 °C) $\pm 0,004 t $ (375...750 °C) type K: $\pm 1,5\text{ °C}$ (-40...375 °C) $\pm 0,004 t $ (375...1000 °C)
<b>Response time:</b>	thermowell 6x0,5 mm: t90: 18 s / t50: 9 s thermowell 4x0,3 mm: t90: 25 s / t50: 9 s
<b>Accessories:</b>	compression fitting (see data sheet WT-TE-Z) sheet metal flange (see data sheet WT-TE-Z)



**Type approval**  
**TAA00002H3**

all dimensions in mm



### Thermowell and wall:

Standard tube: 30 mm (Ø4 x 0,3) / 50 mm (Ø5 x 0,4) / 46 mm (Ø6 x 0,4) / 70 mm (Ø6 x 0,4)  
Options: 4x0,5 / 5x0,5 / 6x0,5 / 6x1 mm

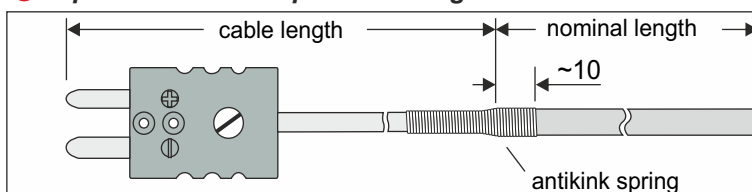
### Connection cable:

Type K: PTFE-silicone: 2x0,22 mm<sup>2</sup> and 4x0,22 mm<sup>2</sup> / Fiberglass-Fiberglass: 2x0,5 mm<sup>2</sup> /  
Fiberglass-Fiberglass-SS braid: 2x0,22 mm<sup>2</sup> and 2x0,5 mm<sup>2</sup>  
Type J: Fiberglass-Fiberglass: 2x0,5 mm<sup>2</sup> / Fiberglass-Fiberglass-SS braid: 2x0,22 mm<sup>2</sup> and 4x0,22 mm<sup>2</sup>

### Maximum operating temperature range:

Thermocouple: type J: -200...700°C / type K: -200...1000°C  
Thermowell: stainless steel 1.4571 (316Ti): up to 600°C / Inconel 600 (2.4816): up to 1100°C  
Connection cable: PVC: -5...70 °C / silicone: -45...180 °C / PTFE: -75...250 °C / Fiberglass/SS braid: -60...550 °C  
Compression fitting: -75...+250 °C

## ● Option Antikink / Option TE-Plug



● **Order Code**

Product code: KT

<b>Type thermocouple</b>		<input type="checkbox"/>
4	1x type J	
5	1x type K	
6	2x type J	
7	2x type K	
<b>Material thermowell</b>		<input type="checkbox"/>
0	stainless steel 1.4571	
<b>Ø thermowell</b>		<input type="checkbox"/>
0	4 mm	
1	5 mm	
2	6 mm	
<b>Nominal length</b>		<input type="checkbox"/> <input type="text"/> mm
0	30 mm (Ø4 mm)	
1	46 mm (Ø6 mm)	
2	50 mm (Ø4 mm)	
3	50 mm (Ø5 mm)	
4	70 mm (Ø6 mm)	
5	other length (maximum 200 mm)	
<b>Connection cable</b>		<input type="checkbox"/>
0	PVC/PVC	
1	PTFE/silicone	
2	PTFE/PTFE	
3	PTFE/braiding/PTFE	
4	F-glass/F-glass/SS braid	
<b>Connection</b>		<input type="checkbox"/>
0	open wire ends (standard 70 mm)	
1	TE-plug standard	
2	TE-plug mini	
3	open wire ends (other length)	
<b>Cable length</b>		<input type="checkbox"/> <input type="text"/> mm
0	2 m	
1	other length (max. 6 m)	
<b>Cable protection</b>		<input type="checkbox"/>
0	shrink tube	
1	antikink spring	
<b>Used temperature range</b>		<input type="text"/> - <input type="text"/> °C
please specify		