



## Screw-in thermocouples with terminal head Form B

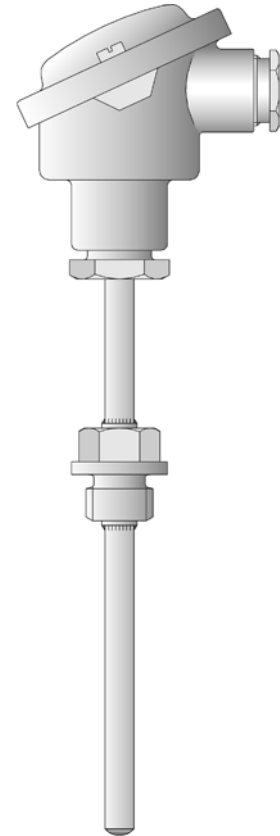
- for temperatures from -200 to +800°C
- available with different thermocouples
- as single or twin thermocouple
- terminal head Form B, BUZ, BUZH, BBK
- available with transmitter

Screw-in thermocouples are preferred for measuring temperatures in liquids and gases. An important selection criterion is their reliable sealing against both negative and positive pressures. Applications include heating installations, ovens, furnaces and plant engineering, as well as process technology.

The terminal head is suitable for ambient temperatures up to +100°C. Terminal heads BUZ, BUZH and BBK are available in addition to the standard Form B.

Stainless steel protection tubes protect the measuring insert from chemical effects and mechanical damage.

The measuring insert is fitted with thermocouples to EN 60 584, Class 2 and DIN 43 710. Versions with two thermocouples are also available.



### Technical data

#### Terminal head

Form B DIN 43 729, aluminium die-casting M 20x1.5; IP54, ambient temperature -40 to +100°C  
Form BUZ, aluminium die-casting M 20x1.5; IP65, ambient temperature -40 to +100°C  
Form BUZH, aluminium die-casting M 20x1.5; IP65, ambient temperature -40 to +100°C  
Form BBK, plastic, M 20x1.5; IP54, ambient temperature -30 to +130°C  
Caution: reduced ambient temperature when using transmitters,  
Data Sheet 70.7010 (95.6550)

#### Extension tube

stainless steel 1.4571, length 130mm

#### Process connection

thread, stainless steel 1.4571

#### Protection tube

stainless steel 1.4571, 9mm dia.

#### Measuring insert

replaceable, insulated assembly  
1 x Fe-Con J, EN 60 584, Cl. 2, operating temperature -200 to +600°C  
1 x Fe-Con L, DIN 43 710, Cl. 2, operating temperature -200 to +600°C  
1 x NiCr-Ni K, EN 60 584, Cl. 2, operating temperature -200 to +800°C  
2 x Fe-Con J, EN 60 584, Cl. 2, operating temperature -200 to +600°C  
2 x Fe-Con L, DIN 43 710, Cl. 2, operating temperature -200 to +600°C  
2 x NiCr-Ni K, EN 60 584, Cl. 2, operating temperature -200 to +800°C

#### Transmitter

programmable transmitter, output 4 - 20mA/20 - 4mA,  
Data Sheet 70.7010 (95.6550)

#### Accessories

pockets, Data Sheet 90.9721

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**JUMO Instrument Co. Ltd.**

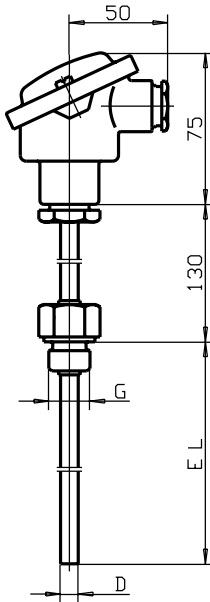
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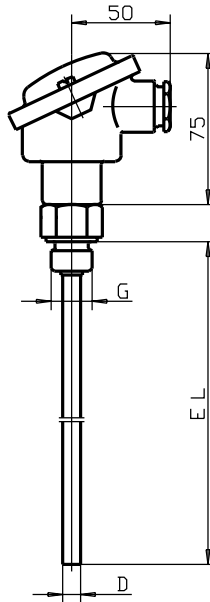
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**Dimensions**



**Type 901002/10**



**Type 901002/20**

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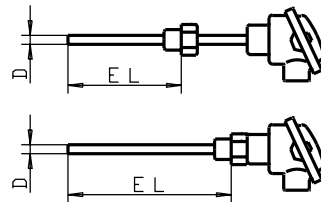
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**Order details: Screw-in thermocouples with terminal head Form B**

		<b>(1) Basic version</b>	
		901002/10	Screw-in thermocouple with extension tube and continuous protection tube
		901002/20	Screw-in thermocouple without extension tube and continuous protection tube
		<b>(2) Operating temperature in °C</b>	
x	x	150	-200 to +600°C
x	x	165	-200 to +800°C
		<b>(3) Measuring insert</b>	
x	x	1040	1 x Fe-Con J
x	x	1042	1 x Fe-Con L
x	x	1043	1 x NiCr-Ni K
x	x	2040	2 x Fe-Con J
x	x	2042	2 x Fe-Con L
x	x	2043	2 x NiCr-Ni K
		<b>(4) Protection tube diameter D in mm</b>	
x	x	9	9mm
		<b>(5) Fitting length EL in mm (100 ≤ EL ≤ 1000)</b>	
x	x	160	160mm
x	x	200	200mm
x	x	250	250mm
x	x	300	300mm
x	x	400	400mm
x	x	600	600mm
x	x	...	please specify in plain text (50mm steps)
		<b>(6) Process connection</b>	
x	x	104	thread 1/2" pipe
x	x	105	thread 3/4" pipe
x	x	106	thread 1" pipe
x	x	126	thread M 18 x 1.5
		<b>(7) Extra codes</b>	
x	x	000	no extra code
x		306	extension tube 70mm
x	x	320	terminal head Form BUZ
x	x	321	terminal head Form BUZH
x	x	322	terminal head Form BBK
x	x	331	1 x programmable transmitter, output 4 - 20mA/20 - 4mA <sup>3</sup> , Data Sheet 70.7010 (95.6550)
x	x	335	2 x programmable transmitter, output 4 - 20mA/20 - 4mA <sup>3</sup> , Data Sheet 70.7010 (95.6550)



**Order code**                    (1)        (2)        (3)        (4)        (5)        (6)        (7)        /        ,....  
 -  -  -  -  -  /  ,....

**Order example**            901002/10 - 150 - 1042 - 9 - 250 - 104 / 000<sup>1</sup>

1. List extra codes in sequence, separated by commas.  
 3. Please specify range and output signal in plain text.

Note: Pockets, Data Sheet 90.9721