



Screw-in thermocouples with terminal head Form B

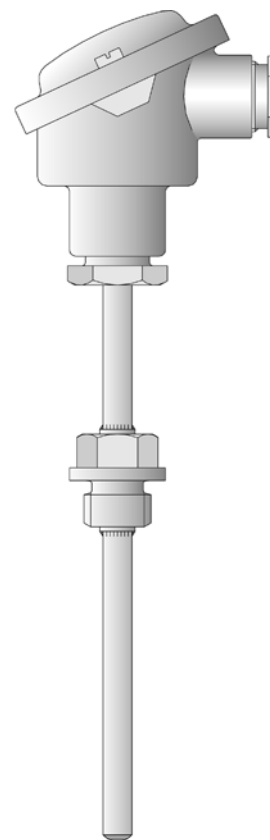
- for temperatures from -200 to +800°C
- available with different thermocouples
- as single or twin thermocouple
- terminal head Form B, BUZ, BUZH, BBK
- available with transmitter

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 against chemical influences 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 (see Data Sheet 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

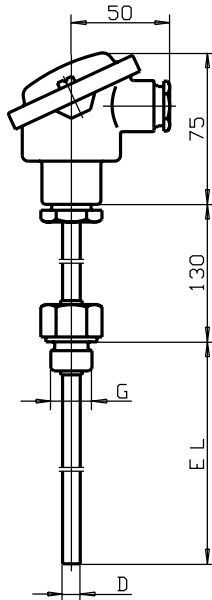
programmable transmitter, output 4 - 20mA/20 - 4mA, see Data Sheet 95.6550

Accessories

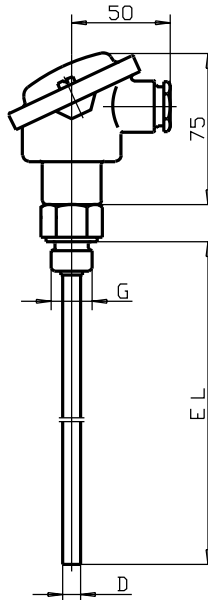
pocket, see Data Sheet 90.9721



Dimensions



Type 901002/10



Type 901002/20

Delivery address: Mackenrodtstraße 14,
36039 Fulda, Germany
Postal address: 36035 Fulda, Germany
Phone: +49 661 6003-0
Fax: +49 661 6003-607
e-mail: mail@jumo.net
Internet: www.jumo.net

JUMO House
Temple Bank, Riverway
Harlow, Essex CM 20 2TT, UK
Phone: +44 1279 635533
Fax: +44 1279 635262
e-mail: sales@jumo.co.uk
Internet: www.jumo.co.uk

885 Fox Chase, Suite 103
Coatesville PA 19320, USA
Phone: 610-380-8002
1-800-554-JUMO
Fax: 610-380-8009
e-mail: info@JumoUSA.com
Internet: www.JumoUSA.com

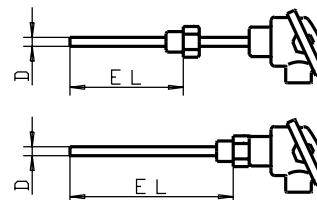


Order details: Screw-in thermocouples with terminal head Form B

(1) Basic version

901002/10 Screw-in thermocouple with extension tube and continuous protection tube

901002/20 Screw-in thermocouple without extension tube and continuous protection tube



(2) Operating temperature in °C

x x 150 -200 to +600°C
x x 165 -200 to +800°C

(3) Measuring insert

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

(4) Protection tube diameter D in mm

x x 9 9mm

(5) Fitting length EL in mm (100 ≤ EL ≤ 1000)

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)

(6) Process connection

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

(7) Extra codes

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, see Data Sheet 95.6550 (please specify range and output signal in plain text)
x x 335 2 x programmable transmitter, output 4 - 20mA/20 - 4mA, see Data Sheet 95.6550 (please specify range and output signal in plain text)

Order code (1) (2) (3) (4) (5) (6) (7)
 - - - - - / , ...
Order example 901002/10 - 150 - 1042 - 9 - 250 - 104 / 000¹

1. List extra codes in sequence, separated by commas.

Note: Pockets, see Data Sheet 90.9721

Programmable transmitter see Data Sheet 95.6550