

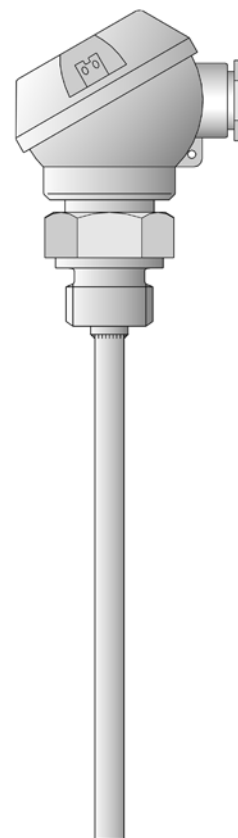


Screw-in thermocouples with terminal head Form J

- for temperatures from -200 to +600°C
- as single or twin thermocouple
- insulated or joined to protection tube

Screw-in thermocouples are the preferred choice 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.

The measuring insert is normally fitted with thermocouples to EN 60 584 or DIN 43 710. Versions with two thermocouples are also available.



Technical data

Terminal head

Process connection

Protection tube

Measuring insert

Form J, aluminium die-casting, M 16x1.5; IP54, ambient temperature -40 to +100°C thread, stainless steel 1.4571

stainless steel 1.4571, 6mm and 7mm dia.

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, 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

Accessories

pockets, Data Sheet 90.9721

JUMO GmbH & Co. KG

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 Instrument Co. Ltd.

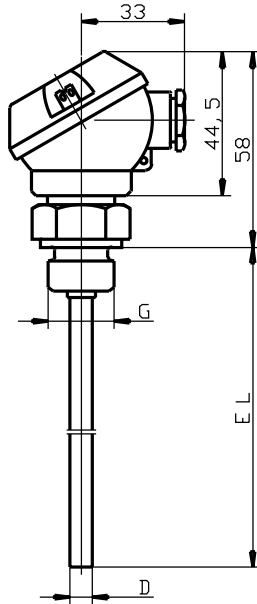
JUMO House
Temple Bank, Riverway
Harlow, Essex CM 20 2TT, UK
Phone: +44 1279 635533
Fax: +44 1279 635262
e-mail: sales@jumo.co.uk
Internet: www.jumo.co.uk

JUMO PROCESS CONTROL INC.

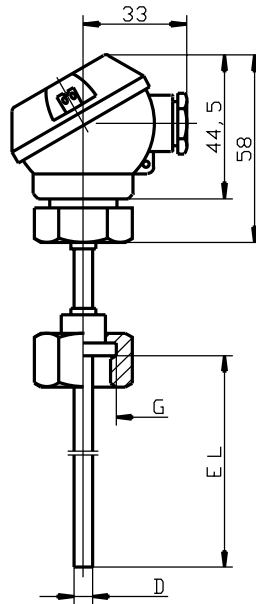
885 Fox Chase, Suite 103
Coatesville PA 19320, USA
Phone: 610-380-8002
1-800-554-JUMO
Fax: 610-380-8009
e-mail: info@JumoUSA.com
Internet: www.JumoUSA.com



Dimensions



Type 901003/10



Type 901003/20

Delivery address: Mackenrodtstraße 14,
36039 Fulda, Germany
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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

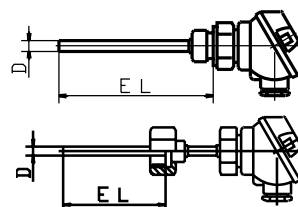
885 Fox Chase, Suite 103
Coatesville PA 19320, USA
Phone: 610-380-8002
1-800-554-JUMO
Fax: 610-380-8009
e-mail: info@JumoUSA.com
Internet: www.JumoUSA.com



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

(1) Basic version

	901003/10	Screw-in thermocouple with continuous protection tube
	901003/20	Screw-in thermocouple with continuous protection tube and union nut
	(2) Operating temperature in °C	
x	x	130 -200 to +400°C
x	x	150 -200 to +600°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	6 6mm
	x	7 7mm
	(5) Fitting length EL in mm (50 ≤ EL ≤ 600, EL ≥ 150 for type 901003/20)	
x		50 50mm
x		75 75mm
x		100 100mm
x	x	150 150mm
x	x	250 250mm
x	x	... please specify in plain text (50mm steps)
	(6) Process connection	
x		102 thread 1/4" pipe
x		103 thread 3/8" pipe
x		104 thread 1/2" pipe
	x	164 union nut 1/2" pipe
	x	165 union nut 3/4" pipe



Order code	(1)	(2)	(3)	(4)	(5)	(6)
Order example	901003/10	- 130	- 1042	- 7	- 100	- 104

Note: Pockets, Data Sheet 90.9721

Stock versions

(1)	(2)	(3)	(4)	(5)	(6)	Sales No.
901003/10	- 130	- 1042	- 7	- 50	- 104	90/00055436
901003/10	- 150	- 1042	- 7	- 100	- 104	90/00055437
901003/10	- 150	- 1042	- 7	- 150	- 104	90/00055438