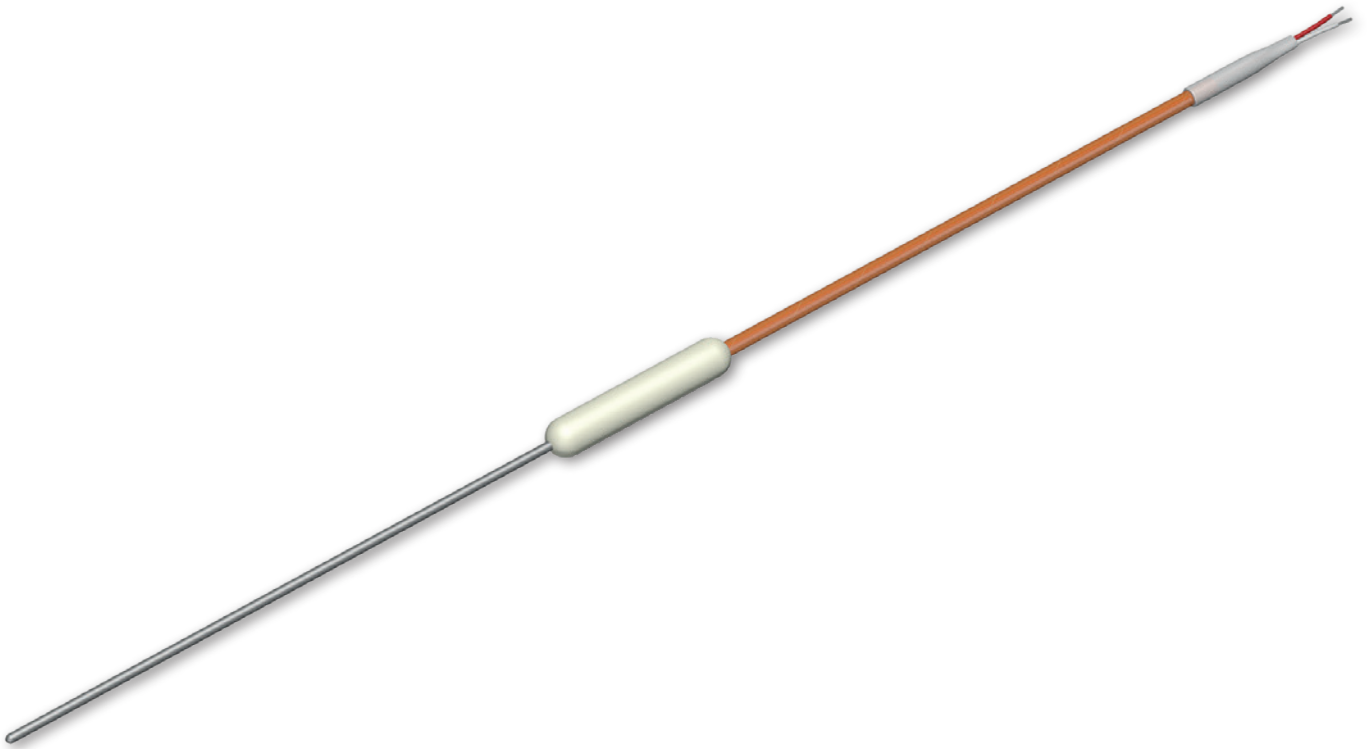


hotcontrol HPS 400

Thermocouples – RTDs

With connection head made of
400 °C / 750 °F heat-resistant hybrid material



Facts about the HPS 400 connection head

- Heat resistant up to 400 °C / 750 °F
- Protection class IP67
- Tensile strength of more than 120 N with small dimensions
- Made of an innovative hybrid material
- Better thermal and mechanical stability at the critical transition zone between the measuring tip and the connection leads
- Increased operational reliability and service life under extreme conditions

Technical key features

Lead cross-section	0.22 mm ²
Minimum bending radius	5.0 x sheath diameter
Classification tolerance	Class 1 or 2 (DIN 60584) Standard, Special (ANSI 96.1)

Options

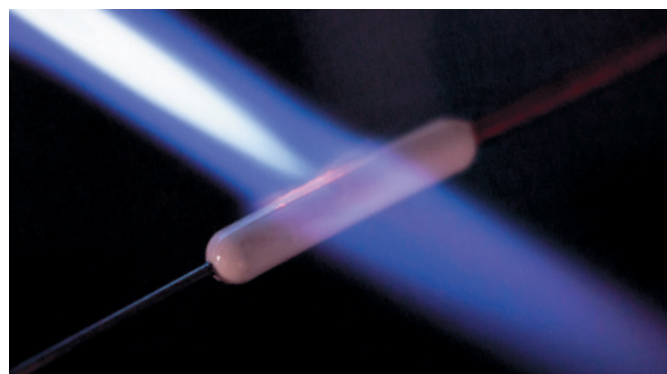
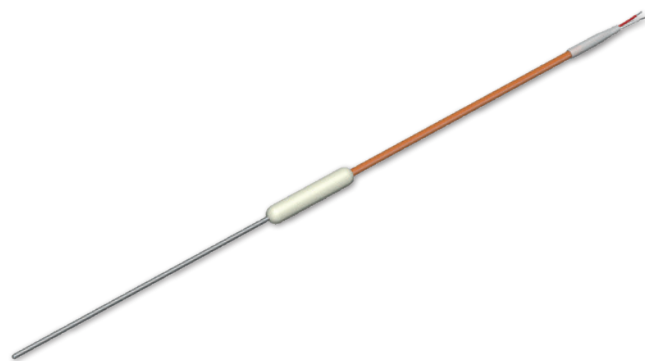
- Measuring point grounded or ungrounded
- Bend protection
- Attachments

Lead Types

Lead Types	Max. Temperature	
PFA/PFA	260 °C	500 °F
GLS/GLS (MB*)	400 °C	750 °F
Kapton/Kapton	350 °C	600 °F
GLS/Kapton	350 °C	600 °F

Material information from the inside to the outside. Other lead types upon request.

* Glass silk insulated leads with glass silk insulated casing and metal braided protection sleeve.



High temperature stability of 400 °C / 750 °F



Water- and dustproof to IP 67

Performance Range

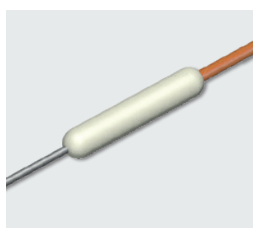
Diameter [mm]	Types	Connection head [mm]	Lead Options	Number of thermocouples
1.0	J, K, L	Ø 4 x 20	see lead types	1 x
1.5	J, K, L	Ø 4 x 20	see lead types	1 x
1.6	J, K, L	Ø 4 x 20	see lead types	1 x

Further diameters upon request.

Connection Type Range



Open ends



Connection head
(400 °C / 750 °F) and cable



LEMO connector (female)
max. 250 °C / 480 °F



Standard male/female connector,
max. 200 °C / 390 °F

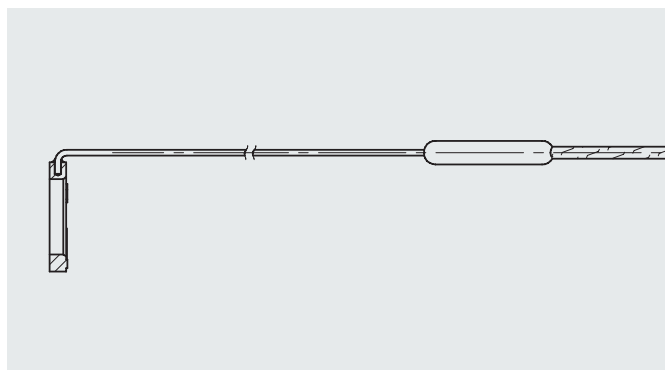


Mini male/female connector,
max. 200 °C / 390 °F

Stock range

HPS 400

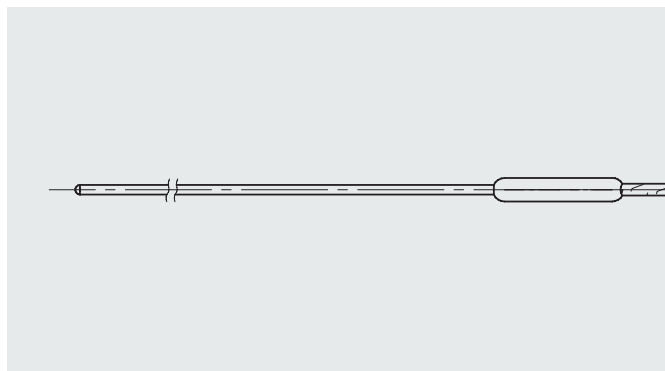
Ring version



Stock ID	Types	Dimensions [mm]	Lead length [mm]
8504100	J	Ø 1.0 x 100	1830
8504150	J	Ø 1.0 x 150	1830
8514250	K	Ø 1.0 x 250	1830

HPS 400

Stretched version

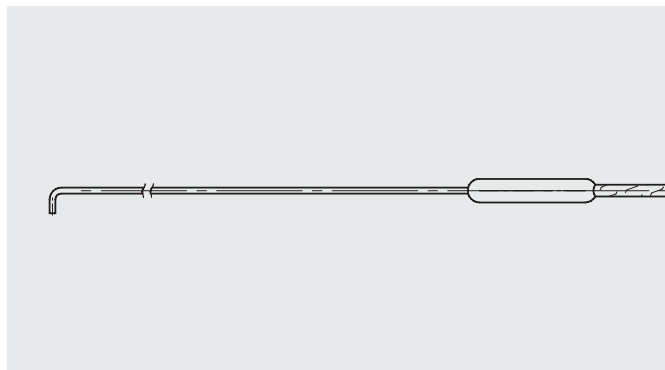


Stock ID	Types	Dimensions [mm]	Lead length [mm]
8504305	J	Ø 1.6 x 305	4290
8504460	J	Ø 1.6 x 460	4290
8504306	J	Ø 1.6 x 305	1850

HPS 400

Curved version

4,35 mm



Stock ID	Types	Dimensions [mm]	Lead length [mm]
8504152	J	Ø 1.0 x 152	1830
8504102	J	Ø 1.0 x 102	1830
8504252	J	Ø 1.0 x 252	1830



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