

**A specific sensor to match your requirements**

**Stainless-steel K thermocouple sensors without extension**

**SK1**  
For penetration (minimum 20 mm) in pasty, viscous or liquid products.

**SK2**  
Can be bent as required. Curve radius > 4 mm.

**SK4**  
For small, flat surfaces. Use of silicone grease improves contact quality.

**SK5**  
For flat surfaces. The spring ensures optimum contact even if the sensor is not set up perpendicularly. Use of silicone grease improves contact quality.

**Contact thermometry**

**SK3**  
Can be bent slightly.

**SK7**  
Suitable for all ambient air measurements (moving air). If the air is stationary, agitate the sensor.

**Stainless-steel K thermocouple sensors with extension (45 cm to 1 m spiral lead)**

**SK11**  
For penetration in pasty or viscous products (20 mm maximum).

**SK13**  
General-purpose sensor.

**SK15**  
For flat surfaces. The spring ensures optimum contact, even if the sensor is not set up perpendicularly.

**SK17**

**SK14**  
For measuring surface temperatures when access is difficult.

Suitable for all ambient air measurements (moving air). If the air is stationary, agitate the sensor.

**Other K thermocouple sensors**

**SK6**  
Sensor specially designed for measurements in places where access is difficult. Not to be used in liquids (tip not leakproof).

**SK8**  
For measurements on pipes. The pipe is cleaned and dried before applying the copper sheet. The Velcro ribbon is then wound round it to ensure contact.

**SK19**  
Sensor with magnet for flat metal surfaces.

**Pt 100 Ω sensors (45 cm to 1 m spiral lead)**

**SP10**  
For flat surfaces. The spring ensures optimum contact even if the sensor is not set up perpendicularly. Use of silicone grease improves contact quality.

**SP11**  
For penetration (minimum 20 mm) in pasty, viscous or liquid products.

**SP12**  
Suitable for all ambient air measurements (moving air). If the air is stationary, agitate the sensor.

**SP13**  
Specially designed for liquids.

## Stainless-steel K thermocouple sensors without extension

	SK1	SK2	SK3	SK4	SK5	SK7
Type	Needle sensor	Bendable sensor	Semi-rigid sensor	Surface sensor	Surface sensor with spring	Air sensor
Measurement range	-50 °C to 800 °C	-50 °C to 1,000 °C	-50 °C to 1,000 °C	0 to 250 °C	-50 °C to 500 °C	-50 °C to 250 °C
Response time	1 second	2 seconds	6 seconds	1 second	1 second	5 seconds
Length*	15 cm	1 m	50 cm	15 cm	15 cm	15 cm
Probe diameter	3 mm	2 mm	4 mm	5 mm	5 mm	5 mm
Tip diameter	-	-	-	-	8.5 mm	8.5 mm

## Stainless-steel K thermocouple sensors with extension (45 cm to 1 m spiral lead)

	SK11	SK13	SK14	SK15	SK17
Type	Needle sensor (stainless steel)	General-purpose sensor	Elbowed surface sensor	Surface sensor with spring	Air sensor
Measurement range	-50 °C to +600 °C	-50 °C to +1,100 °C	-50 °C to +450 °C	-50 °C to +900 °C	-50 °C to +600 °C
Response time	12 seconds	12 seconds	8 seconds	2 seconds	3 seconds
Length*	Needle: 13 cm	Needle: 30 cm	Needle: 13 cm Tip: 6 cm	Needle: 13 cm	Needle: 13 cm
Probe diameter	3 mm	3 mm	6 mm	8 mm	6 mm
Tip diameter	-	-	15 mm	-	8.5 mm

## Other K thermocouple sensors

	SK6	SK8	SK19
Type	Flexible sensor	Pipe sensor	Magnet sensor
Measurement range	-50 °C to +285 °C	-50 °C to +140 °C	-50 °C to +200 °C
Response time	1 s for use by contact 3 s for ambient air	10 s on stainless-steel pipe Ø 12 mm	7 s
Length	1 m	32 cm	1 m
Probe diameter	1 mm	90 mm	4 mm



## Pt 100 Ω sensors (45 cm to 1 m spiral lead)

	SP10	SP11	SP12	SP13
Type	Surface sensor with spring	Needle sensor	Air sensor	Liquid sensor
Measurement range	-50 °C to +200 °C	-100 °C to +600 °C	-100 °C to +600 °C	-100 °C to +600 °C
Response time	6 seconds	7 seconds	5 seconds	7 seconds
Length	Needle: 13 cm	Needle: 13 cm	Needle: 13 cm	Needle: 13 cm
Probe diameter	5 mm	3 mm	5 mm	3 mm

## TO ORDER

• SK 1	P03652901	• SK 13	P03652918
• SK 2	P03652902	• SK 14	P03652919
• SK 3	P03652903	• SK 15	P03652920
• SK 4	P03652904	• SK 17	P03652921
• SK 5	P03652905	• SK 19	P03652922
• SK 6	P03652906	• SP 10	P03652712
• SK 7	P03652907	• SP 11	P03652713
• SK 8	P03652908	• SP 12	P03652714
• SK 11	P03652919	• SP 13	P03652715

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