

ACCESSORIES FOR THERMOMETERS

K THERMOCOUPLE SENSORS

Model	Model	Description	Type / Application	Measurement range	Tolerance class	Response time at 63%	Plunger diameter	Plunger length	Ref.	Model
	 SK20	Sheathed sensor as per the NF EN 61615 standard. Hot junction isolated from chassis-earth. Inconel 600 protective sheath	Flexible general-purpose sensor	-40 °C to 450 °C	Cl. 1	1 s	1,5 mm	1 m	P01655010	SK20
	 SK6	"General-purpose" sensor recommended for measurements where access is difficult. Do not use in liquids (tip is not watertight)	Flexible sensor	-50 °C to 285 °C	Cl. 2	1 s by contact	1 mm	1 m	P03652906	SK6
	 SK2	Sensor with stainless-steel sheath which can be bent as required. Radius of curvature > 4 mm	Bendable general-purpose sensor	-50 °C to 1000 °C	Cl. 2	3 s in ambient conditions	2 mm	1 m	P03652902	SK2
	 SK3	Slightly bendable sensor with stainless-steel sheath	Semi-rigid general-purpose sensor	-50 °C to 1000 °C	Cl. 2	2 s	4 mm	50 cm	P03652903	SK3
	 SK13	Sensor with stainless-steel sheath	General-purpose sensor	-50 °C to 1100 °C	Cl. 2	6 s	3 mm	30 cm	P03652918	SK13
	 SK7	In "calm" conditions without air movement, shake the sensor to encourage heat exchange	Air sensor for ambient measurement	-50 °C to 250 °C	Cl. 2	12 s	5 mm	15 cm	P03652907	SK7
	 SK17	In "calm" conditions without air movement, shake the sensor to encourage heat exchange	Air sensor for ambient measurement	-50 °C to 600 °C	Cl. 2	5 s	6 mm	13 cm	P03652921	SK17
	 SK1	Sensor with stainless-steel sheath for penetration (20 mm min.) in pasty, viscous or liquid specimens	Needle sensor for penetration	-50 °C to 800 °C	Cl. 2	1 s	3 mm	15 cm	P03652901	SK1
	 SK11	Sensor with stainless-steel sheath for penetration (20 mm min.) in pasty, viscous or liquid specimens	Needle sensor for penetration	50 °C to 600 °C	Cl. 2	12 s	3 mm	13 cm	P03652917	SK11
	 SK4	Sheathed sensor with stainless-steel sensing element and Teflon base. For small flat surfaces. Contact can be improved by using silicone grease.	Surface sensor	0°C à 250°C	Cl. 2	1 s	5 mm	15 cm	P03652904	SK4
	 SK14	For surface temperatures when access is difficult	Elbowed surface sensor	-50°C to 450°C	Cl. 2	8 s	6 mm	13 cm	P03652919	SK14
	 SK5	For flat surfaces. The spring ensures optimum contact even if the sensor is not positioned perpendicularly. Contact can be improved by using silicone grease.	Surface sensor with spring	-50°C to 500°C	Cl. 2	1 s	5 mm Ø in contact 8.5 mm	15 cm	P03652905	SK5
	 SK15	For flat surfaces. The spring ensures optimum contact even if the sensor is not positioned perpendicularly. Contact can be improved by using silicone grease.	Surface sensor with spring	-50°C to 900°C	Cl. 2	2 s	8 mm	13 cm	P03652920	SK15
	 SK8	For measurements on pipes. The copper sheet is applied to the clean, dry pipe. The two-sided Velcro strip ensures contact by winding.	Pipe sensor	-50°C to 140°C	Cl. 2	10 seconds on stainless-steel pipe with 12 mm diameter	Ø 10-90 mm	32 cm	P03652908	SK8
	 SK19	Sensor with magnet for flat metal surfaces	Magnetic sensor	-50°C to 200°C	Cl. 2	7 s	4 mm	1 m	P03652922	SK19

Accuracy Class I / -40 °C to +375 °C: ± 1.5°C / +375 °C to +1000°C: ± 0.004 x T °C.
Accuracy Class II / -40 °C to +333 °C: ± 2.5°C / +333 °C to +1200°C: ± 0.0075 x T °C.

Standard compensated miniature male 2-pole connector.
Spiral cable from 45 cm to 1 m

ACCESSORIES / REPLACEMENT PARTS

EXTENSIONS FOR THERMOCOUPLES

	CK 1	CK 2	CK 3	CK 4	
Models	Description			∅	Length
CK 1	Terminated by male plug / female plug			4 mm	1 m
CK 2	Terminated by male plug / 2 bare wires			4 mm	1 m
CK 3	Terminated by 5-pin DIN plug / female socket			4 mm	1 m
CK 4	Terminated by 2 banana plugs / female socket			4 mm	1 m
Temperature withstand of extensions: -40 °C to +100 °C					



CK 3 CK 2 CK 1 CK 4

REFERENCES TO ORDER

- CK 1 P03652909
- CK 2 P03652910
- CK 3..... P03652913
- CK 4..... P03652914






ACCESSORIES / REPLACEMENT PARTS

- PP1 handle for CK extensions P03652912
- Compensated miniature male 2-pole connector P03652925



PT 100 Ω TEMPERATURE SENSORS

- Pt 100 Ω temperature sensors

Model	Model	Type / Application	Description	Measurement range	Tolerance class	Response time at 63%	Plunger diameter	Plunger length	Ref.
	SP 10	Surface sensor with spring	For flat surfaces The spring ensures optimum contact, even if the sensor is not set up perpendicularly. Silicone grease can be used to improve contact.	-50 °C to 200 °C	Cl. B	6 s	5 mm	13 cm	P03652712
	SP 11	Needles sensor for penetration	For penetration (20 mm minimum) in pasty, viscous or liquid media.	-100 °C to 600 °C	Cl. B	7 s	3 mm	13 cm	P03652713
	SP 12	Air sensor	In "calm" conditions without air movement, shake the sensor to encourage heat exchange	-100 °C to 600 °C	Cl. B	5 s	5 mm	13 cm	P03652714
	SP 13	Sensor for immersion	Sensor with stainless-steel sheath specially designed for liquids	-100 °C to 600 °C	Cl. B	7 s	3 mm	13 cm	P03652715
	SP 14	General-purpose sensor	316L stainless-steel sensor for general use	-100 °C to 450 °C	Cl. A	7 s	3 mm	20 cm	P01655020

Accuracy Class A / 0.15 °C + 0.002 x T °C

Accuracy Class B / 0.3 °C + 0.005 x T °C

Miniature 3-pole flat-pin connector

Spiral cable from 45 cm to 1m