





DATA SHEET

# Thermocouple probes

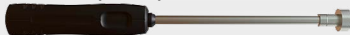





With sensitive element as per IEC 584-1, 2 and 3 standard

## Pipes





References	Measuring range and probe with device accuracy*	Response time T <sub>99</sub> **	Description
SKV 150 (cable length: 1.5 m) (17156) SKV 300 (cable length: 3 m) (17157) SKV 500 (cable length: 5 m) (17159) 	From -20 to +90°C ±1.5°C	50 s	Contact probe with Velcro®. Velcro® fixation for Ø100 mm maxi pipes with cable (Tc K).
SKCT (22226) 	From -40 to +150°C ±2.5°C	15 s	Contact probe with lamella for pipe Ø10 to 50 mm with spring handle and straight cable. (Tc K).

## Contact

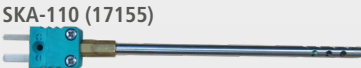


References	Measuring range and probe with device accuracy*	Response time T <sub>99</sub> **	Description
SCPK 150 (25729) 	From -20 to +150°C ±1.5°C* ±4% of reading ±1.5°C**	20 s	Contact probe with circular end, with handle, straight cable. (Tc K). Contact tip length: 150 mm Contact tip diameter: 13 mm
SCCK 150 (24855) 	From -20 to +150°C ±1.5°C* ±4% of reading ±1.5°C**	30 s	Contact probe with copper circular end for reduced space, with handle, coiled cable. (Tc K). Contact tip length: 150 mm Contact tip diameter: 6 mm
SCRK150 (25111) 	From -20 to +150°C ±1.5°C* ±4% of reading ±1.5°C**	5 s	Spring contact probe for reduced space with handle, coiled cable. (Tc K). Contact tip length: 150 mm Contact tip diameter: 7 mm
SCLK 150 (24648) 	From -20 to +150°C ±1.5°C* ±4% of reading ±1.5°C**	5 s	Contact probe with lamella with handle and coiled cable. (Tc K). Contact tip length: 150 mm Contact tip diameter: 15 mm

\*Under laboratory condition / \*\*Under application condition



## Contact

References	Measuring range and probe with device accuracy*	Response time T <sub>99</sub> **	Description
 <p>SCLCK 150 (24649)</p>	<p>From -40 to +250°C</p> <p>±2.5°C</p>	5 s	Contact probe with lamella, angled at 90° with handle and coiled cable. (Tc K). Contact tip length: 150 mm Contact tip diameter: 15 mm
 <p>SCLK-HT (24681)</p>	<p>From -50 to +800°C</p> <p>±2.5°C</p>	5 s	High temperature contact probe with lamella, with handle and coiled cable. (Tc K). Contact tip length: 200 mm Contact tip diameter: 27 mm
 <p>SCLAIK (24716)</p>	<p>From -40 to +250°C</p> <p>±1.5°C</p>	5 s	Contact probe with magnetic lamella with straight cable. (Tc K).
 <p>SFCSMK (21254)</p>	<p>From 0 to +400°C</p> <p>±1.5°C*</p> <p>±4% of reading ±1.5°C**</p>	4 s	Probe for surface measurement of moving part. Aluminium contact element on casters with handle and coiled cable. (Tc K).

## Ambiance



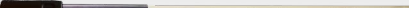

References	Measuring range and probe with device accuracy*	Response time T <sub>99</sub> **	Description
 <p>SKA-110 (17155)</p>	<p>From -40 to +80°C</p> <p>±1.5°C</p>	50 s	Ambient probe, direct output on compensated male miniature connector. Without handle or cable. (Tc K). Contact tip length: 110 mm Contact tip diameter: 4.5 mm
 <p>SAK-150 (24646)</p>	<p>From -40 to +250°C</p> <p>±1.5°C</p>	50 s	Ambient probe with handle and coiled cable. (Tc K). Contact tip length: 150 mm Contact tip diameter: 4.5 mm
 <p>SAK-05 (cable length: 0.5 m) (24816) SAK-1 (cable length: 1 m) (24817) SAK-2 (cable length: 2 m) (24818) SAK-5 (cable length: 5 m) (24819) SAK-10 (cable length: 10 m) (2482)</p>	<p>From -40 to +250°C</p> <p>±1.5°C</p>	3 s	Ambient wired probe. Apparent welding, isolated PFA cable, output on compensated male miniature connector. (Tc K).

## Penetration

References	Measuring range and probe with device accuracy*	Response time T <sub>99</sub> **	Description
 <p>SPK 150 (24650)</p>	<p>From -40 to +250°C</p> <p>±1.5°C</p>	30 s	Penetration probe. Stainless steel contact tip with pointed contact tip, handle and coiled cable. (Tc K). Contact tip length: 150 mm Contact tip diameter: 3 mm
 <p>SPK 300 (24823)</p>	<p>From -40 to +250°C</p> <p>±1.5°C</p>	35 s	Penetration probe. Stainless steel contact tip with pointed contact tip, handle and coiled cable. (Tc K). Contact tip length: 300 mm Contact tip diameter: 4.5 mm

\*Under laboratory condition / \*\*Under application condition

## Immersion

References	Measuring range and probe with device accuracy*	Response time $T_{99}$ **	Description
SIK 150 (24641) SIK 250 (24642) 	From -40 to +250°C  ±1.5°C	35 s	Immersion probe. Stainless steel contact tip, with handle and coiled cable. (Tc K). Contact tip length: 150 mm / 250 mm Contact tip diameter: 4.5 mm
SIK 500 HT (24644) SIK 1000 HT (24645) 	From -40 to +1000°C  From -40 to +375°C: ±1.5°C Remaining range: ±0.4% of reading	115 s	High temperature immersion probe. Inconel contact tip, with handle and coiled cable (Tc K). Contact tip length: 500 mm / 1000 mm Contact tip diameter: 6 mm
SIS 1000 HT (24830) 	From 0 to +1400°C  From 0 to 1100°C: ±1°C From 1100 to 1400°C: ±0.15% of reading	-	Very high temperature immersion probe. Ceramic contact tip with handle and straight cable. (Tc S). Contact tip length: 1000 mm Contact tip diameter: 8 mm
SIT 300 BT (24831) 	From -200 to +50°C  From -200 to -67°C: ±1.5% of reading From -67 to -40°C: ±1°C From -40 to +50°C: ±0.5°C	2 s	Very low temperature immersion probe. Deformable lined contact tip with handle and coiled cable. (Tc T). Contact tip length: 300 mm Contact tip diameter: 1.5 mm

## Extension

References	Measuring range and probe with device accuracy*	Response time $T_{99}$ **	Description
RTCK-150 (1.5 m) (24834) RTCK-300 (3 m) (24835) RTCK-500 (5 m) (24836)	From 0 to +100°C	-	Shielded PVC extension for temperature probes with compensated male/female miniature connector (Tc K).

## Special compost

References	Measuring range and probe with device accuracy*	Response time $T_{99}$ **	Description
SKP 1000 (1 m) (17160) SKP 1500 (1.5 m) (17161) SKP 2000 (2 m) (17163) 	From -20 to +150°C  ±1.5°C	165 s	Special compost probe, stainless steel protection sheath with pointed end. T-shaped handle and output on coiled cable. (Tc K). Contact tip diameter: 16 mm
SKP 1000 B (1 m) (25820) SKP 1500 B (1.5 m) (25821) SKP 2000 B (2 m) (25822) 	From -20 to +150°C  ±1.5°C	165 s	K thermocouple probe with housing, grounded hot junction, stainless steel protective sheath. T-shaped handle. IP67 housing with transparent cover, EPDM seal and machined foam for data loggers KTT 220, 320 or Wireless and LoRa® data loggers (supplied without data loggers). Housing horizontally mounted on the probe. Output on cable length 20 cm with miniature male compensated connector inside the housing.
KSP (14809) 	-	-	Galvanized plate for compost probe. Possible fixing with anti-theft device KAV of data loggers or magnetic fixing of protective housing. Factory mounting.
KIT-KSP (24829) 	-	-	Kit with a galvanized plate (KSP) for compost probe. Possible fixing with anti-theft device KAV of data loggers or magnetic fixing of protective housing and mountings accessories. To install after delivery.

\*Under laboratory condition / \*\*Under application condition

