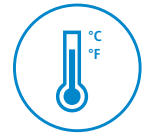




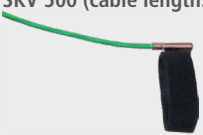

DATA SHEET

# Thermocouple probes for 2014 portable instruments





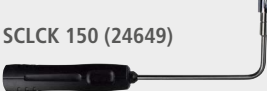


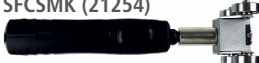


With sensitive element as per IEC 584-1, 2 and 3 standard

## Pipes




References	Measuring range and probe with device accuracy	Response time $T_{99}^{**}$	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 $T_{99}^{**}$	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
SCRK 150 (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
SCLCK 150 (24649) 	From -20 to +150 °C ±2.5 °C	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
SCLK-HT (24681) 	From -50 to +800 °C ±2.5 °C	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
SCLAIK (24716) 	From -40 to +250 °C ±1.5 °C	5 s	Contact probe with magnetic lamella with straight cable. (Tc K).
SFCSMK (21254) 	From 0 to +400 °C ±1.5 °C* ±4% of reading ±1.5 °C**	4 s	Probe for surface measurement of moving part. Aluminium contact element on casters with handle and coiled cable. (Tc K).

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





## Ambiance

References	Measuring range and probe with device accuracy	Response time $T_{99}^{**}$	Description
SKA-110 (17155) 	From -40 to +80 °C ±1.5 °C	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
SAK-150 (24646) 	From -40 to +250 °C ±1.5 °C	50 s	Ambient probe with handle and coiled cable. (Tc K). Contact tip length: 150 mm Contact tip diameter: 4.5 mm
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) (24820) 	From -40 to +250 °C ±1.5 °C	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 $T_{99}^{**}$	Description
SPK 150 (24650) 	From -40 to +250 °C ±1.5 °C	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: 4.5 mm
SPK 300 (24823) 	From -40 to +250 °C ±1.5 °C	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





## 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

## Cables

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).

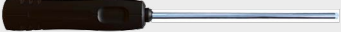





## Special for compost

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 $\pm 1.5$ °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 $\pm 1.5$ °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-thief 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-thief device KAV of data loggers or magnetic fixing of protective housing and mountings accessories. To install after delivery.

 Probes compatible with Sauermann and Kimo devices.


## Pt100 temperature probes for 2014 portable instruments

Pt100 probes with class A sensitive element as per IEC60751 standard for classes 60 and 110

References	Measuring range and probe with device accuracy	Response time $T_{99}^{**}$	Description
 SAP 150 (24656)	From -40 to +250 °C $\pm 0.4\%$ of reading $\pm 0.3$ °C	115 s	Ambient probe. Perforated stainless steel contact tip, with handle, coiled cable and connector Contact tip length: 150 mm Contact tip diameter: 4.5 mm
 SCP 150 (24657)	From -20 to +150 °C $\pm 0.4\%$ of reading $\pm 0.3$ °C* $\pm 6\%$ of reading $\pm 0.25$ °C**	150 s	Contact probe with circular end. Stainless steel contact tip, with handle, coiled cable and connector. Contact tip length: 150 mm Contact tip diameter: 13 mm
 SIP 150 (24658) SIP 250 (24659)	From -40 to +250 °C $\pm 0.4\%$ of reading $\pm 0.3$ °C	35 s	Immersion probe. Stainless steel contact tip, with handle, coiled cable and connector. Contact tip length: 150 mm (SIP 150) / 250 mm (SIP 250) Contact tip diameter: 4.5 mm
 SIP 500 HT (24853)	From -40 to +400 °C $\pm 0.4\%$ of reading $\pm 0.3$ °C	45 s	High temperature immersion probe. Stainless steel contact tip, with handle, coiled cable and connector. Contact tip length: 500 mm Contact tip diameter: 6 mm
 SPP 150 (24660)	From -40 to +250 °C $\pm 0.4\%$ of reading $\pm 0.3$ °C	35 s	Penetration probe. Stainless steel contact tip, with handle, coiled cable and connector. Contact tip length: 150 mm Contact tip diameter: 4.5 mm
 SPAI 90 (24843)	From 0 to +200 °C $\pm 0.4\%$ of reading $\pm 0.3$ °C	15 s	Needle penetration probe. Stainless steel contact tip, with stainless steel handle and cable with connector Contact tip length: 90 mm Contact tip diameter: 2 mm

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

Interchangeable Pt100 probes (SMART-2014) with class 1/3 DIN sensitive element as per IEC60751 standard for class 210 and class 310 portables

References		Measuring range and probe with device accuracy	Response time $T_{99}$ **	Description
SAPS 150 (24838)	 	From -40 to +250 °C ±0.3% of reading ±0.25 °C	115 s	Ambient probe. Perforated stainless steel contact tip, integrated mini-DIN connector, SMART-2014 recognition system. Supplied with adjustment certificate. Contact tip length: 150 mm. Contact tip diameter: 4.5 mm
SCPS 150 (24839)	 	From -20 to +150 °C ±0.3% of reading ±0.25 °C* ±6% of reading ±0.25 °C**	150 s	Contact probe with circular end. Stainless steel contact tip, integrated mini-DIN connector, SMART-2014 recognition system. Supplied with adjustment certificate. Contact tip length: 150 mm. Contact tip diameter: 13 mm
SIPS 150 (24840) SIPS 250 (24841)	 	From -40 to +250 °C ±0.3% of reading ±0.25 °C	35 s	Immersion probe. Stainless steel contact tip with handle, integrated mini-DIN connector. SMART-2014 recognition system. Supplied with adjustment certificate. Contact tip length: 150 mm (SIPS 150) / 250 mm (SIPS 250) Contact tip diameter: 4.5 mm
SIPS 500 HT (24845)	 	From -40 to +450 °C ±0.3% of reading ±0.25 °C	45 s	High temperature immersion probe. Stainless steel contact tip with handle, integrated mini-DIN connector. SMART-2014 recognition system. Supplied with adjustment certificate. Contact tip length: 500 mm. Contact tip diameter: 6 mm
SPPS 150 (24842)	 	From -40 to +250 °C ±0.3% of reading ±0.25 °C	35 s	Penetration probe. Stainless steel contact tip with handle, integrated mini-DIN connector. SMART-2014 recognition system. Supplied with adjustment certificate. Contact tip length: 150 mm. Contact tip diameter: 4.5 mm
SPRP 300 (24846)	 	From -200 to +500 °C From -40 to +200 °C: ±0.15% of reading ±0.15 °C Remaining range: ±0.3% of reading ±0.25 °C	35 s	Accurate immersion probe. Stainless steel contact tip with handle, integrated mini-DIN connector. SMART-2014 recognition system. Supplied with 3 points calibration certificate. Contact tip length: 300 mm. Contact tip diameter: 4.5 mm Only available with AMI10 and TM210.
SPRP 300 C (24847)	 	From -200 to +500 °C From -40 to +200 °C: ±0.15% of reading ±0.15 °C Remaining range: ±0.3% of reading ±0.25 °C	35 s	Accurate immersion probe. Stainless steel contact tip with handle, integrated mini-DIN connector. SMART-2014 recognition system. Supplied with COFRAC (ISO 17025 standard) 3 points calibration certificate. Contact tip length: 300 mm Contact tip diameter: 4.5 mm Only available with AMI10 and TM210.
SAPF 150 (24793)	 	From -40 to +250 °C ±0.3% of reading ±0.25 °C	115 s	Wireless ambient temperature probe. Perforated stainless steel contact tip. Wireless transmission system with handle and multifunction button. Supplied with adjustment certificate. Contact tip length: 150 mm Contact tip diameter: 4.5 mm
SIPF 150 (24795)	 	From -40 to +250 °C ±0.3% of reading ±0.25 °C	35 s	Wireless immersion temperature probe. Stainless steel contact tip, wireless transmission system with handle and multifunction button. Supplied with adjustment certificate. Contact tip length: 150 mm Contact tip diameter: 4.5 mm

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

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