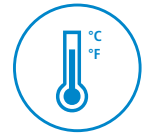






DATA SHEET

Thermocouple probes for 2014 portable instruments

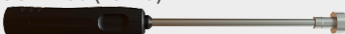

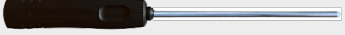

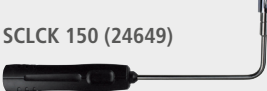





With sensitive element as per IEC 584-1, 2 and 3 standard

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 -40 to +250 °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



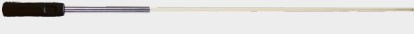

Ambiance

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: 3 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

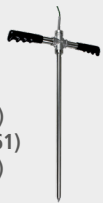



Immersion


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 -50 to +400 °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.

 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 ±0.4% of reading ±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 ±0.4% of reading ±0.3 °C* ±6% of reading ±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 ±0.4% of reading ±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 300 BT (24852)	From -100 to +50 °C ±0.4% of reading ±0.3 °C	25 s	Low temperature immersion probe. Stainless steel contact tip, with handle, coiled cable and connector. Contact tip length: 300 mm Contact tip diameter: 4.5 mm
 SIP 500 HT (24853)	From -40 to +400 °C ±0.4% of reading ±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 ±0.4% of reading ±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 ±0.4% of reading ±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 300 BT (24844)	 	From -200 to +50 °C From -100 to +50 °C: ±0.3% of reading ±0.25 °C Remaining range: ±0.6% of reading ±0.25 °C	25 s	Very low temperature immersion probe. Stainless steel contact tip with handle, integrated mini-DIN connector. SMART-2014 recognition system. Supplied with adjustment certificate. Contact tip length: 300 mm. 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
SPAIS 90 (24895)	 	From 0 to +200 °C ±0.3% of reading ±0.25 °C	15 s	Needle penetration probe. Stainless steel contact tip with handle, integrated mini-DIN connector. SMART-2014 recognition system. Supplied with adjustment certificate. Contact tip length: 90 mm. Contact tip diameter: 2 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
SCPF 150 (24794)	 	From -20 to +150 °C ±0.3% of reading ±0.25 °C* ±6% of reading ±0.25 °C**	150 s	Wireless contact temperature probe. Stainless steel contact tip with circular end. Wireless transmission system with handle and multifunction button. Supplied with adjustment certificate. Contact tip length: 150 mm Contact tip diameter: 13 mm
SIPF 150 (24795) SIPF 250 (24796)	 	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 (SIPF 150) / 250 mm (SIPF 250) Contact tip diameter: 4.5 mm
SPPF 150 (24797)	 	From -40 to +250 °C ±0.3% of reading ±0.25 °C	35 s	Wireless penetration temperature probe. Stainless steel contact tip with pointed end. 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