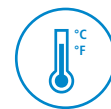


DATA SHEET

Thermocouple probes for 2014 portable instruments



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

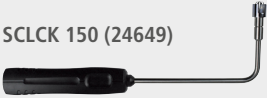



Pipes

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).

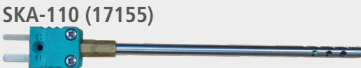


Contact

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



Contact

References	Measuring range and probe with device accuracy	Response time T ₉₉ **	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 ₉₉ **	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)</p> <p>SAK-1 (cable length: 1 m) (24817)</p> <p>SAK-2 (cable length: 2 m) (24818)</p> <p>SAK-5 (cable length: 5 m) (24819)</p> <p>SAK-10 (cable length: 10 m) (24820)</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 ₉₉ **	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

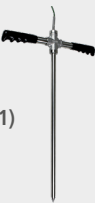



Immersion

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

Rallonge

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 -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.





*Under laboratory condition / **Under application condition

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 $\pm 0.3^\circ\text{C}$	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 $\pm 0.3^\circ\text{C}^*$ $\pm 6\%$ of reading $\pm 0.25^\circ\text{C}^{**}$	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 $\pm 0.3^\circ\text{C}$	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 $\pm 0.4\%$ of reading $\pm 0.3^\circ\text{C}$	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 $\pm 0.4\%$ of reading $\pm 0.3^\circ\text{C}$	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 $\pm 0.3^\circ\text{C}$	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 $\pm 0.3^\circ\text{C}$	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

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 $\pm 0.3\%$ of reading $\pm 0.25^\circ\text{C}$	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 $\pm 0.3\%$ of reading $\pm 0.25^\circ\text{C}^*$ $\pm 6\%$ of reading $\pm 0.25^\circ\text{C}^{**}$	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

*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 instruments (next)

References		Measuring range and probe with device accuracy	Response time T_{99}^{**}	Description
SIPS 150 (24840) SIPS 250 (24841)	 	From -40 to +250°C $\pm 0.3\%$ of reading $\pm 0.25^\circ\text{C}$	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: $\pm 0.3\%$ of reading $\pm 0.25^\circ\text{C}$ Remaining range: $\pm 0.6\%$ of reading $\pm 0.25^\circ\text{C}$	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 $\pm 0.3\%$ of reading $\pm 0.25^\circ\text{C}$	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 $\pm 0.3\%$ of reading $\pm 0.25^\circ\text{C}$	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 $\pm 0.3\%$ of reading $\pm 0.25^\circ\text{C}$	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: $\pm 0.15\%$ of reading $\pm 0.15^\circ\text{C}$ Remaining range: $\pm 0.3\%$ of reading $\pm 0.25^\circ\text{C}$	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: $\pm 0.15\%$ of reading $\pm 0.15^\circ\text{C}$ Remaining range: $\pm 0.3\%$ of reading $\pm 0.25^\circ\text{C}$	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 $\pm 0.3\%$ of reading $\pm 0.25^\circ\text{C}$	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 $\pm 0.3\%$ of reading $\pm 0.25^\circ\text{C}^*$ $\pm 6\%$ of reading $\pm 0.25^\circ\text{C}^{**}$	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 $\pm 0.3\%$ of reading $\pm 0.25^\circ\text{C}$	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 $\pm 0.3\%$ of reading $\pm 0.25^\circ\text{C}$	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

