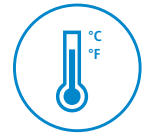






DATA SHEET

Thermocouple probes for 2014 portable instruments

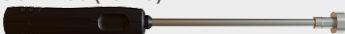

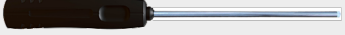

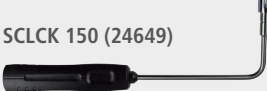





With sensitive element as per IEC 584-1, 2 and 3 standard

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



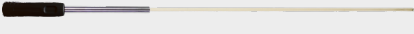

Ambiance

| 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). |

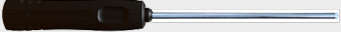





Special for compost

| 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-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 ±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 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) |  | Supplied with adjustment certificate | 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) |  | Supplied with adjustment certificate | 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) |  | Supplied with adjustment certificate | 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) |  | Supplied with adjustment certificate | 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) |  | Supplied with adjustment certificate | 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) |  | Supplied with calibration certificate | 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) |  | Supplied with calibration certificate | 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) |  | Supplied with adjustment certificate | 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) |  | Supplied with adjustment certificate | 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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