




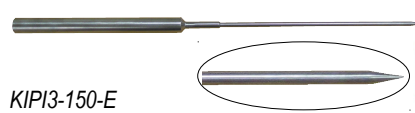



SMART-PLUG smart measurement probes and cable for KT 320 KISTOCK dataloggers



All the probes for **KT 320 KISTOCK** are equipped with the SMART PLUG technology. An automatic recognition and the storage of the adjustment parameters make them 100 % interchangeable.

PT100 TEMPERATURE PROBE

The temperature probes have a Pt100 Class A (as per IEC 751 standard) sensing element. Each of these probes come with an 8-pin mini-DIN connector with SMART-PLUG technology.

Reference	Description	Measuring range and accuracy*
 KIRGA-50 KIRGA-150	IP65 immersion probe Stainless steel contact tip. Contact tip size: Ø6 x 50 mm. Output on PVC cable of 2 m length.	From -50 °C to +250 °C ±0.4 % of reading ± 0.3 °C
	IP65 immersion probe Stainless steel contact tip. Contact tip size: Ø6 x 150 mm. Output on PVC cable of 2 m length.	
 KIRAM-150	Sonde à usage d'ambiance 150 mm IP65 Stainless steel perforated contact tip. Contact tip size: Ø6 x 150 mm. Output on PVC cable of 2 m length	From -40 °C to +120 °C ±0.4 % of reading ± 0.3 °C
 KIRPA-150	IP65 penetration probe Stainless steel contact tip. Contact tip size: Ø6 x 150 mm. Output on teflon cable of 2 m length	From -50 °C to 250 °C ±0.4 % of reading ± 0.3 °C
 KIPI3-150-E	IP68 penetration probe with handle Stainless steel contact tip. Contact tip size: Ø3 x 150 mm, Ø10 mm stainless steel handle. Output on teflon cable of 1 m length	
 KITI3-100-E	IP68 penetration probe with T-handle Stainless steel contact tip. Contact tip size: Ø3 x 100 mm, T-handle. Output on teflon cable of 1 m length	
 KITBI3-100-E	IP68 penetration probe with corkscrew handle Stainless steel contact tip. Contact tip size: Ø8 x 100 mm, T-handle.. Output on teflon cable of 1 m length	
 KICA-320	Smart adapter for Pt100 probe 3-wire, containing a connection terminal and a mini-DIN connector.	-



Protection against powerful water jets in any direction

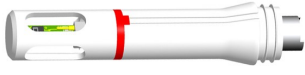




Étanche à l'immersion prolongée

*All accuracies indicated in this document were stated in laboratory conditions and can be guaranteed for measurements carried out in the same conditions, or carried out with compensation.




HYGROMETRY AND TEMPERATURE PROBE

The temperature and hygrometry probes have a CMOS or capacitive sensing element. Each of these probes come with an 8-pin mini-DIN connector with SMART-PLUG technology.

Reference	Description	Measuring range and accuracy*
 KITHA	Interchangeable hygrometry and ambient temperature probe Probe body in ABS, 94.5 mm length, CMOS sensing element, stainless steel filter and mini-DIN connector.	<u>Hygrometry:</u> From 5 to 95 %RH Accuracy (Repeatability, linearity, hysteresis): $\pm 2\%RH$ (from 15 °C to 25 °C) Factory calibration uncertainty: $\pm 0.88\%RH$ Temperature dependence: $\pm 0.04 \times (T-20)\%RH$ (if $T \leq 15\text{ °C}$ or $T \geq 25\text{ °C}$)
 KITHP-130	Remote interchangeable hygrometry and temperature probe Probe body in ABS, 130 mm length with stainless steel filter, PVC cable of 2 m length with mini-DIN connector	<u>Temperature :</u> From -20 to +70 °C From -20 to 0 °C : $\pm 2\%$ of the measured value $\pm 0.6\text{ °C}$ From 0 to 30 °C : $\pm 0.5\text{ °C}$ From 30 to 70 °C : $\pm 1.5\%$ of the measured value
 KITHI-150	Remote interchangeable hygrometry and temperature probe Probe body in stainless steel, 150 mm length, capacitive sensing element, stainless steel filter, silicone cable of 2 m with mini-DIN connector.	<u>Hygrometry:</u> From 5 to 95 %RH Accuracy (Repeatability, linearity, hysteresis): $\pm 1.5\%RH$ (from 15 to 25 °C) with: - Factory calibration uncertainty: $\pm 0.88\%RH$ - Temperature dependence: $\pm 0.04 \times (T-20)\%RH$ (if $T < 15\text{ °C}$ or $T > 25\text{ °C}$) <u>Température :</u> From -40 to 180 °C Accuracy: $\pm 0.3\%$ of reading $\pm 0.25\text{ °C}$ Response time (pour Vair = 2 m/s) : - Humidity : $t_{0.63} = 25\text{ s}$ (from 10 to 80 %RH) - Temperature : $t_{0.63} = 9\text{ s}$ (established for a probe without filter)

CURRENT AND VOLTAGE INPUT CABLES AND PULSE INPUT CABLE



The pulse, voltage and current cables have a PVC cable of 2 m and an 8-pin mini-DIN connector with SMART-PLUG technology.

Reference	Description	Measuring range and accuracy*
 KICT	Voltage input cable Measuring range: 0 – 10 V	From 0 to 10 V $\pm 0.2\%$ of the measurement $\pm 1\text{mV}$
 KICC	Current input cable Measuring range: 0 – 20 mA or 4 – 20 mA	From 0/4 to 20 mA $\pm 0.2\%$ of the measurement $\pm 1\mu\text{A}$
 KICI	Pulse input cable	Maximal voltage: 5 V Type of input: TTL frequency counting Maximal frequency: 10 KHz

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AMMETER CLAMPS

The ammeter clamps have a PVC cable of 2 m and an 8-pin mini-DIN connector with SMART-PLUG technology.

Reference	Description	Measuring range and accuracy*
 KIPID-50 KIPID-100 KIPID-200	KIPID-50 ammeter clamp Range from 0 to 50 A	From 0 to 50 A _{AC} ±1% of reading ±0.1A Frequency range: from 40 Hz to 5000 Hz
	KIPID-100 ammeter clamp Range from 0 to 100 A	From 1 to 100 A _{AC} ±1% of reading ±0.1A Frequency range: from 40 Hz to 5000 Hz
	KIPID-200 ammeter clamp Range from 0 to 200 A	From 1 to 200 A _{AC} ±1% of reading ±0.2A Frequency range: from 40 Hz to 5000 Hz
 KIPID-600	KIPID-600 ammeter clamp Range from 0 to 600 A	From 1 to 600 A _{AC} ±2.5% of reading ±0.6A Frequency range: from 40 Hz to 5000 Hz

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