

Measuring probes and cables for class 350 KISTOCKS dataloggers

HUMIDITY / TEMPERATURE PROBES

KTH350

Thermo-hygrometry probes for Class 300 have 2 sensing elements :

- one capacitive element to measure humidity
- one Pt100 1/3 DIN* element to measure temperature.

Each of these probes comes with a 8-pin mini-DIN connector.

<p>KTHP-150B KTHP-350B</p> 	<p>Polycarbonate probe (PC) with protective perforated tip and stainless steel filter 25µm. Probe length: 150 mm (Ref. KTHP 150) or 300 mm (Ref. KTHP 300) Output on silicone cable Ø 4.8 mm, length 2m (further lengths available on request) Measuring range : from -20 to +120 °C and from 0 to 100 %RH</p> <ul style="list-style-type: none"> • Accuracy* humidity** (repeatability, linearity, hysteresis) : ±1,5 %RH (from 15 to 25 °C) with : - Factory calibration uncertainty : ±0,88 %RH - Temperature dependence : ±0,04 x (T-20) %RH (if T<15 °C or T>25 °C) • Temperature accuracy* : ±0,3% of the reading value ±0,25°C • Response time (for V_{air} = 2 m/s) : - Humidity : t_{0,63} = 25 s (from 10 to 80 %RH) - Temperature : t_{0,63} = 9 s (with a probe without filter)
<p>KTHI-150B KTHI-300B</p> 	<p>STAINLESS STEEL probe with protective perforated tip and stainless steel filter 25µm. Probe length: 150 mm (ref. KTHI-150B) or 300 mm (ref. KTHI-300B). Output on silicone cable Ø 4.8 mm, length 2m (further lengths available on request) Measuring range : from -40 to +180 °C and from 0 to 100 %RH</p> <ul style="list-style-type: none"> • Accuracy* humidity** (repeatability, linearity, hysteresis) : ±1,5 %RH (de 15 à 25 °C) with : - Factory calibration uncertainty : ±0,88 %RH - Temperature dependence : ±0,04 x (T-20) %RH (if T<15 °C or T>25 °C) • Temperature accuracy* : ±0,3% of the reading value ±0,25°C • Response time (for V_{air} = 2 m/s) : - Humidity : t_{0,63} = 25 s (from 10 to 80 %RH) - Temperature : t_{0,63} = 9 s (with a probe without filter)
<p>KTHP-110-PB</p> 	<p>ABS/PC probe with ABS/PC handle Output on PVC cable high temperature (HT), length 2m. Measuring range : -20 to +80°C and 0 to 100%RH</p> <ul style="list-style-type: none"> • Accuracy* humidity** (repeatability, linearity, hysteresis) : ±1,5 %RH (from 15 to 25 °C) with :: - Factory calibration uncertainty : ±0,88 %HR - Temperature dependence : ±0,04 x (T-20) %HR (if T<15 °C or T>25 °C) • Temperature accuracy* : ±0,3% of the reading value ±0,25°C • Response time (for V_{air} = 2 m/s) : - Humidity : t_{0,63} = 25 s (from 10 to 80 %HR) - Temperature : t_{0,63} = 9 s (with a probe without filter)

*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 required compensation.

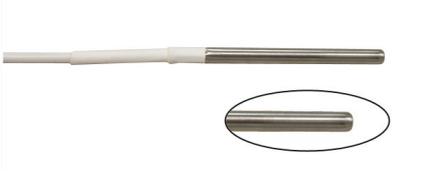
** Optional specific adjustment and calibration

***As per NFX 15-113 and the Charter 2000/2001 HYGROMETERS, GAL (Guaranteed Accuracy Limit) which has been calculated with a coverage factor value of 2 is ±2.88%RH between 18 and 28°C on the measuring range from 5 to 95%RH. Sensor drift is less than 1%RH/year.

Wire Pt 100 temperature probe

Temperature probe for class 350 have a Class A Pt100 sensing element (as per IEC 751 standard). Each of these probes comes with a 8-pin mini-DIN connector.

Response time : $t_{0,63} = 32 \text{ s}$ ($V_{\text{air}} = 2 \text{ m/s}$). **Accuracy :** $\pm 0,4\%$ of reading $\pm 0,3^\circ\text{C}$

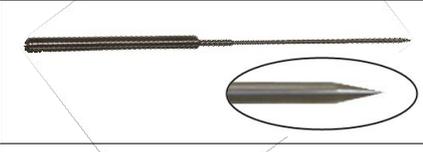
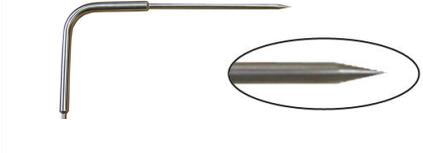
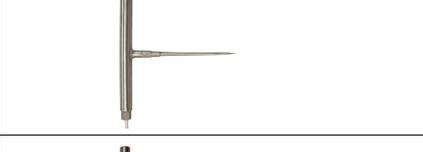
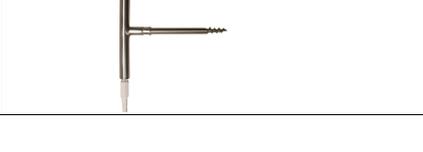
KRGA-50 KRGA-150		IP65 General use probe With output on Teflon cable, length 2 m. Stainless steel contact tip, length 50 mm (KRGA 50) or 150 mm (KRGA 150) and diameter 6 mm. Measuring range : from -50 to +250 °C.
KRAM-150		IP65 Ambient probe With output on Teflon cable, length 2 m. Stainless steel contact tip, length 150 mm and diameter 6 mm with perforated tip. Measuring range : from -40 to +120 °C
KRPA-150		IP65 penetration probe With output on Teflon cable, length 2 m. Stainless steel contact tip, length 150 mm and diameter 6 mm with pointer tip. Measuring range : from -50 to +250 °C
KRVB-200		Velcro probe Output on Teflon cable, length 2m. Measuring range : from 40 to +90°C

IP65 Pt100 TEMPERATURE PROBE WITH STAINLESS STEEL HANDLE



Temperature probe for class 350 have a Class A Pt100 sensing element (as per IEC 751 standard). Each of these probes comes with a 8-pin mini-DIN connector.

Response time : $t_{0,63} = 32 \text{ s}$ ($V_{\text{air}} = 2 \text{ m/s}$). **Accuracy :** $\pm 0,4\%$ of reading $\pm 0,3^\circ\text{C}$

KPI3-150		Penetration probe With stainless steel contact tip. Contact tip dimensions $\text{Ø } 3 \times 150 \text{ mm}$ with stainless steel handle, diameter 10 mm. Output on Teflon cable, length 1 m. Measuring range : from -50 to +250 °C.
KPIC3-150		Angled penetration probe With stainless steel contact tip. Contact tip dimensions $\text{Ø } 3 \times 150 \text{ mm}$ with stainless steel handle, diameter 10 mm, angled at 90° . Output on Teflon cable, length 1 m. Measuring range : from -50 to +250 °C.
KT13-100		T handle penetration probe With stainless steel contact tip. Contact tip dimensions $\text{Ø } 3 \times 100 \text{ mm}$ with stainless steel T handle. Output on Teflon cable, length 1 m. Measuring range : from -50 to +250 °C.
KTBI3-100		Penetration probe with cork screw handle With twisted stainless steel contact tip. Contact tip dimensions $\text{Ø } 8 \times 100 \text{ mm}$ with stainless steel T handle. Output on Teflon cable, length 1 m. Measuring range : from -50 to +250 °C.



Watertight to water jets



Watertight to continuous immersion

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 calibration compensation.

Pt100 TEMPERATURE PROBE WITH STAINLESS STEEL HANDLE FOR IP68 IMMERSION



Temperature probe for class 350 have a Class A Pt100 sensing element (as per IEC 751 standard). Each of these probes comes with a 8-pin mini-DIN connector.

Response time : $t_{0,63} = 32 \text{ s}$ ($V_{\text{air}} = 2 \text{ m/s}$). Accuracy : $\pm 0,4\%$ of reading $\pm 0,3^\circ\text{C}$

KPI3-150E		Penetration probe With stainless steel contact tip. Contact tip dimensions $\varnothing 3 \times 150 \text{ mm}$ with stainless steel handle, diameter 10 mm. Output on Teflon cable, length 1 m. Measuring range : from -50 to $+250^\circ\text{C}$.
KPIC3-150E		Angled penetration probe With stainless steel contact tip. Contact tip dimensions $\varnothing 3 \times 150 \text{ mm}$ with stainless steel handle, diameter 10 mm, angled at 90° . Output on Teflon cable, length 1 m. Measuring range : from -50 to $+250^\circ\text{C}$.
KPTI3-100E		T handle penetration probe With stainless steel contact tip. Contact tip dimensions $\varnothing 3 \times 100 \text{ mm}$ with stainless steel T handle. Output on Teflon cable, length 1 m. Measuring range : from -50 to $+250^\circ\text{C}$.
KTBI3-100E		Penetration probe with cork screw handle With twisted stainless steel contact tip. Contact tip dimensions $\varnothing 8 \times 100 \text{ mm}$ with stainless steel T handle. Output on Teflon cable, length 1 m. Measuring range : from -50 to $+250^\circ\text{C}$.

CURRENT AND VOLTAGE INPUT CABLES (with mini-DIN connector)

KCTD-10B		Measuring range : from 0 to 10 V - Accuracy : $\pm 0,2\%$ of reading $\pm 1 \text{ mV}$
KCCD-02B		Measuring range : from 0 to 4/20 mA - Accuracy : $\pm 0,2\%$ of reading $\pm 1 \mu\text{A}$

AMMETER CLAMPS (equipped with mini-DIN connector)

KPID-50B		Measuring range : from 0 to 50 A - Accuracy : $\pm 1\%$ of reading $\pm 0,1 \text{ A}$	
KPID-100B		Measuring range : from 0 to 100 A - Accuracy : $\pm 1\%$ of reading $\pm 0,1 \text{ A}$	
KPID-200B		Measuring range : from 0 to 200 A - Accuracy : $\pm 1\%$ of reading $\pm 0,2 \text{ A}$	
KPID-600B		Measuring range : from 2 to 600 A - Accuracy : $\pm 2,5\%$ of measure $\pm 0,6 \text{ A}$	



Watertight to water jets



Watertight to continuous immersion

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