

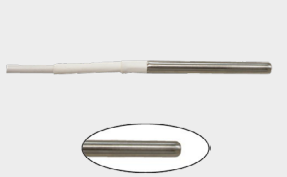


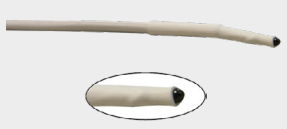






DATA SHEET

MEASURING PROBES AND CABLES FOR CLASSES 110 , 210 AND 310 KISTOCKS WIRELESS DATALOGGERS

NTC temperature probes for classes 110 and 210 wireless Kistocks

Temperature probes of the 110 and 210 range are equipped with a NTC sensing element. Each probe comes with a **Mini-Din 8 points** connector. **Accuracy*** : $\pm 0.3^{\circ}\text{C}$ ($-25^{\circ}\text{C} < T < +70^{\circ}\text{C}$), $\pm 0.5^{\circ}\text{C}$ outside.

| | | | |
|-----------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <p>KCG-50-BRF KCG-150-BRF</p> |  | <p>IP65 general use probe Stainless steel contact tip. \varnothing 4.5 x 50 mm (ref. KCG 50) or \varnothing 4.5 x 150 mm (ref. KCG 150) Output on PVC HT cable, length 2 m. Measuring range: from -40 to +120 °C</p> |  |
| <p>KCV-200-BRF</p> |  | <p>Velcro® probe Output on PVC HT cable, length 2 m. Measuring range: from -20 to +90 °C</p> | |
| <p>KCF-2-BRF</p> |  | <p>Wire probe Diameter 3 mm with output on PVC HT cable, length 2 m Measuring range: from -20 to +100 °C</p> | |
| <p>KPI-150-BRF</p> |  | <p>IP68 penetration probe With stainless steel contact tip. \varnothing 3 x 150 mm with stainless steel handle, diameter 10 mm Output on PVC cable, length 1 m. Measuring range: from -40 to +120 °C</p> |  |
| <p>KTBI-100-BRF</p> |  | <p>IP68 penetration probe with cork screw handle With twisted stainless steel contact tip. Contact tip dimensions \varnothing 8 x 100 mm with stainless steel T handle. Output on PVC cable, length 1 m. Measuring range: from -40 to +120 °C</p> |  |



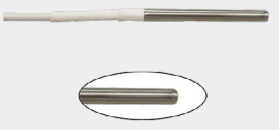


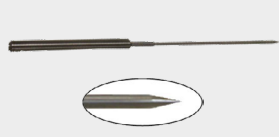



Protection against powerful water jets in any direction






Protection against long term immersion

Pt100 temperature probes for Kistocks class 310




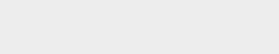


Temperature probes of the class 310 are equipped with a Pt100 Class A sensitive element (as per IEC 751 standard). Each probe comes with a 8 points Mini-Din connector. **Response time** : $t_{0.63} = 32 \text{ s}$ ($V_{\text{air}} = 2 \text{ m/s}$). **Accuracy*** : $\pm 0.4\%$ of reading $\pm 0.3 \text{ }^\circ\text{C}$

| | | | |
|---------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| KRGA-50 KRGA-150 |  | <p>IP65 general use probe With output on PFA 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.</p> |  |
| KRVB-200 |  | <p>Velcro® probe Output on PFA cable, length 2m. Measuring range: from -20 to +90 °C</p> | |
| KPI3-150E |  | <p>IP68 penetration probe With stainless steel contact tip. Contact tip dimensions : $\varnothing 3 \times 150 \text{ mm}$ with stainless steel handle of diameter 10 mm. Output on PFA cable, length 1 m. Measuring range: from -50 to +250 °C</p> |  |
| KTB13-100E |  | <p>IP68 penetration probe with T handle With twisted stainless steel contact tip. Contact tip dimensions $\varnothing 8 \times 100 \text{ mm}$ with stainless steel T handle. Output on PFA, length 1 m. Measuring range: from -50 to +250 °C</p> |  |

Current and voltage input cables and pulse input cable for Kistocks classes 110-210-310 (with mini-Din connector)


| | | |
|----------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| KCTD-10B |  | <p>Measuring range: from 0 to 10 V - Accuracy*: $\pm 0.2\%$ of measuring $\pm 1 \text{ mV}$</p> |
| KCCD-02B |  | <p>Measuring range: from 0 to 4/20 mA - Accuracy*: $\pm 0.2\%$ of measuring $\pm 1 \mu\text{A}$</p> |
| KCTD-1B |  | <p>Maximum voltage: 5 V – Output type: TTL frequency counting</p> |

Ammeter clamps for classes 110-210-310 (with mini-Din connector)

| | | | |
|--------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| KPID-50-BRF |  | <p>Measuring range: from 0 to 50 AAC – Accuracy*: $\pm 1\%$ of reading $\pm 0.1 \text{ A}$ Frequency range: from 40 Hz to 5000 Hz</p> | |
| KPID-100-BRF |  | <p>Measuring range: from 1 to 100 AAC – Accuracy*: $\pm 1\%$ of reading $\pm 0.1 \text{ A}$ Frequency range: from 40 Hz to 5000 Hz</p> |  |
| KPID-200-BRF |  | <p>Measuring range: from 1 to 200 AAC – Accuracy*: $\pm 1\%$ of reading $\pm 0.2 \text{ A}$ Frequency range: from 40 Hz to 5000 Hz</p> | |
| KPID-600-BRF |  | <p>Measuring range: from 1 to 600 AAC – Accuracy*: $\pm 2.5\%$ of reading $\pm 0.6 \text{ A}$ Frequency range: from 40 Hz to 5000 Hz</p> |  |

*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.

Light probe for Kistock KTU210-RF

| | | |
|--------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| KSL-RF |  | <p> Measuring range: from 0 to 9999 lux Accuracy*: from 0 to 200 lux : ± 10 lux From 201 to 9999 lux: ± 3 % of reading ± 4 lux Directional sensitivity (f2)**: < 6 % Linearity (f3)**: ≤ 3 % Linearity: < 3 % Cable: length 2 m with mini-DIN connector. </p> |
|--------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Order of magnitude of Lux according to applications

| Environment | Lux | Environment | Lux |
|------------------------------|-----------------|---------------------------------|--------------|
| Outside with open air | 500 to 25000 | Factory : electronic assembling | 1500 to 3000 |
| Outside with direct sunlight | 50000 to 100000 | Hotel reception hall | 200 to 500 |
| Full moon night | 1 | Shop | 750 to 1500 |
| Overnight lit street | 20 to 70 | Hospital operating room | 750 to 1500 |
| Apartment well lit | 200 to 400 | Classroom | 200 to 750 |

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

** The f2 and f3 coefficient are defined according to the French NF C 42-710 standard.

