



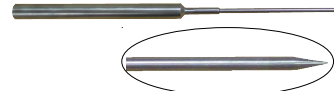






## Measurement probes and cables for KISTOCK class 220 kistock dataloggers

### NTC TEMPERATURE PROBES

The temperature probes have a NTC sensing element. Each of these probes come with an 8-pin mini-DIN connector.

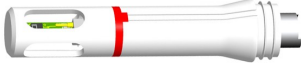

| Reference   | Description   | Measuring ranges and accuracies*                                       |
|---|---|--|
| <br>KSI-50 / KSI-150  | <b>IP65 immersion probe</b><br>Stainless steel contact tip. Contact tip size: Ø6 x 50 mm (ref. KSI-50) or Ø6 x 150 mm (ref. KSI-150).<br>Output on PVC cable of 2 m length.   | From -40 to +120 °C<br>±0.4 °C (-20 °C <T<+70 °C)<br>±0.8 °C (outside) |
| <br>KSA-150   | <b>Ambient use probe</b><br>Stainless steel contact tip. Contact tip size: Ø6 x 150 mm with perforated contact tip.<br>Output on PVC cable of 2 m length.                     | From -40 to +120 °C<br>±0.4 °C (-20 °C <T<+70 °C)<br>±0.8 °C (outside) |
| <br>KSF-2   | <b>Wire probe</b><br>Ø3 mm with output on PVC cable of 2 m length.  | From -20 to +100 °C<br>±0.4 °C (-20 °C <T<+70 °C)<br>±0.8 °C (outside) |
| <br>KSP-150        | <b>IP68 penetration probe</b><br>With stainless steel contact tip.<br>Contact tip size: Ø3 x 150 mm with stainless steel handle Ø10 mm.<br>Output on PVC cable of 1 m length. | De -40 to +120 °C<br>±0.4 °C (-20 °C <T<+70 °C)<br>±0.8 °C (en dehors) |
| <br>KSP-150        | <b>IP65 penetration probe</b><br>With stainless steel contact tip.<br>Contact tip size: Ø4.5 x 150 mm.<br>Output on PVC cable of 1 m length.                                  | From -40 to +120 °C<br>±0.4 °C (-20 °C <T<+70 °C)<br>±0.8 °C (outside) |
| <br>KCV-200-BRF   | <b>Probe with velcro</b><br>Output on PVC cable of 2 m length.<br>Contact tip size: Ø4.5 x 150 mm   | From -20 to +90 °C<br>±0.4 °C (-20 °C <T<+70 °C)<br>±0.8 °C (outside)  |

 Protection against powerful water jets in any direction
  Protection against long term 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 compensation.




## TEMPERATURE AND HUMIDITY PROBE

The temperature and hygrometry probes have an interchangeable CMOS sensing element. Each of these probes come with an 8-pin mini-DIN connector.

| Reference  | Description   | Measuring ranges and accuracies*  |
|--|---|---|
| <br>KTHA | <b>Interchangeable hygrometry and ambient temperature probe</b><br>Probe body in ABS, 65 mm length with stainless steel filter and mini-DIN connector                           | <u>Hygrometry:</u><br>From 5 to 95 %RH<br><b>Accuracy (Repeatability, linearity, hysteresis):</b><br>$\pm 2\%RH$ (from 15 °C to 25 °C)<br><b>Factory calibration uncertainty:</b> $\pm 0.88\%RH$<br><b>Temperature dependence:</b> $\pm 0.04 \times (T-20)\%RH$<br>(if $T \leq 15\text{ °C}$ or $T \geq 25\text{ °C}$ ) |
| <br>KTHD | <b>Remote interchangeable hygrometry and temperature probe</b><br>Probe body in ABS, 130 mm length with stainless steel filter, PVC cable of 2 m length with mini-DIN connector | <u>Temperature :</u><br>From -20 to +70 °C<br><b>From -20 to 0 °C :</b> $\pm 2\%$ of the measured value<br>$\pm 0.6\text{ °C}$<br><b>From 0 to 30 °C :</b> $\pm 0.5\text{ °C}$<br><b>From 30 to 70 °C :</b> $\pm 1.5\%$ of the measured value   |


## 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.

| Référence   | Description   | Plages de mesure et exactitudes*  |
|---|---|---|
| <br>KCTD-10-B | <b>Voltage input cable</b><br>Measuring range: 0 – 10 V               | From 0 to 10 V<br>$\pm 0.2\%$ of the measurement $\pm 1mV$  |
| <br>KCCD-02-B | <b>Current input cable</b><br>Measuring range: 0 – 20 mA or 4 – 20 mA | From 0/4 to 20 mA<br>$\pm 0.2\%$ of the measurement $\pm 1\mu A$  |
| <br>KCTD-I-B  | <b>Pulse input cable</b>  | <b>Maximal voltage:</b> 5 V<br><b>Type of input:</b> TTL frequency counting<br><b>Maximal frequency:</b> 10 KHz |

## RELATIVE PRESSURE PROBE (WATER PRESSURE)



The water pressure probe for class 220 dataloggers is equipped with a pressure sensor for liquid and gas, a PVC cable of 2 m and an 8-pin mini-DIN connector

| Reference   | Description   | Measuring range and accuracy*             |
|---|---|---|
| <br>KSPE | <b>Relative pressure probe</b> , range from 0 to 10 bars for liquids and gases (corrosive).<br>Stainless steel body probe, length 93 mm with 1/8" gas connector and 1/4" gas adaptor. | From 0 to 10 bars<br>$\pm 0.2\text{ bar}$ |

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## AMMETER CLAMPS

Ammeter clamps have a PVC cable of 2 m and an 8-pin mini-DIN connector.

| Reference   | Description   | Measuring ranges and accuracies*   |
|---|---|--|
| <br>KPID-50-BRF<br>KPID-100-BRF<br>KPID-200-BRF | <b>KPID-50-BRF ammeter clamp</b><br>Range <b>from 0 to 50 A</b>   | From 0 to 50 A <sub>AC</sub><br>±1% of reading ±0.1A<br><b>Frequency range:</b> from 40 Hz to 5000 Hz    |
|   | <b>KPID-100-BRF ammeter clamp</b><br>Range <b>from 0 to 100 A</b> | From 1 to 100 A <sub>AC</sub><br>±1% of reading ±0.1A<br><b>Frequency range:</b> from 40 Hz to 5000 Hz   |
|   | <b>KPID-200-BRF ammeter clamp</b><br>Range <b>from 0 to 200 A</b> | From 1 to 200 A <sub>AC</sub><br>±1% of reading ±0.2A<br><b>Frequency range:</b> from 40 Hz to 5000 Hz   |
| <br>KPID-600-BRF                                | <b>KPID-600-BRF ammeter clamp</b><br>Range <b>from 0 to 600 A</b> | From 1 to 600 A <sub>AC</sub><br>±2.5% of reading ±0.6A<br><b>Frequency range:</b> from 40 Hz to 5000 Hz |

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