

DATA SHEET










Probes for TrackLog



INTERCHANGEABLE PROBES

All the probes are interchangeable with an automatic recognition and the storage of the adjustment parameters*.

Pt100 temperature probes



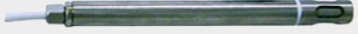
Reference	Accuracy**	Measuring range of the sensing element	Description
 <p>KIRGA-50 / KIRGA-150</p>	±0.4% of reading ±0.3°C	From -40 to +120°C	IP65 immersion probe Stainless steel contact tip Contact tip size: Ø6 x 50 mm (KIRGA-50) Ø6 x 150 mm (KIRGA-150) Output on PVC cable of 2 m length
 <p>KIFC-50</p>	±0.4 % of reading ±0.3 °C	From -40 to +80 °C	Immersion probe KIFC-50 Stainless steel contact tip Contact tip size: Ø6 x 50 mm Output on PVC flat cable of 2 m length, 3 wires. KICA-320 adaptor is required
 <p>KIRAM-150</p>	±0.4% of reading ±0.3°C	From -40 to +120°C	Ambient probe 150 mm Stainless steel perforated contact tip Contact tip size: Ø6 x 150 mm Output on PVC cable of 2 m length
 <p>KIRPA-150</p>	±0.4% of reading ±0.3°C	From -50 to +250°C	IP65 penetration probe Stainless steel contact tip Contact tip size: Ø6 x 150 mm Output on PFA cable of 2 m length
 <p>KIPI3-150-E</p>	±0.4% of reading ±0.3°C	From -50 to +250°C	IP68 penetration probe with handle Stainless steel contact tip Contact tip size: Ø3 x 150 mm, Ø10 mm stainless steel handle Output on PFA cable of 1 m length
 <p>KITI3-100-E</p>	±0.4% of reading ±0.3°C	From -50 to +250°C	IP68 penetration probe with T-handle Stainless steel contact tip Contact tip size: Ø3 x 100 mm, T-handle Output on PFA cable of 1 m length
 <p>KITBI3-100-E</p>	±0.4% of reading ±0.3°C	From -50 to +250°C	IP68 penetration probe with corkscrew handle Stainless steel contact tip Contact tip size: Ø8 x 100 mm, T-handle Output on PFA cable of 1 m length
 <p>KIRV-320</p>	±0.4% of reading ±0.3°C	From -20 to +90°C	Velcro® probe Output on PVC cable of 2 m length Contact tip size: Ø4.5 x 150 mm Velcro® length: 350 mm
 <p>KICA-320</p>	Smart adapter for Pt100 probe 3-wire, containing a connection terminal and a mini-DIN connector		

*Except KIFC-50 probe

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

Hygrometry and temperature probes

For hygrometry parameter, these probes have a capacitive sensing element. For temperature parameter, KITHA and KITHP-130 have a NTC sensing element and KITHI-150 a Pt100 sensing element. These probes come with an 8-pin mini-DIN connector and are interchangeable.

Reference	Accuracy*	Measuring range	Description
 <p>KITHA</p>	<p>Hygrometry (capacitive)**: Repeatability, linearity: $\pm 1.5\%$ RH (from 10 to 80% RH and from 10 to 50°C***) Hysteresis: 0.8% RH at 25°C Time drift: <0.5% RH per year in normal conditions of use (from 5 to 60°C and from 20 to 80% RH, apart from indoor pollutants)</p> <p>Temperature (NTC): $\pm 0.2^\circ\text{C}$</p>	<p>From 0 to 100% RH</p> <p>From -20 to +70°C</p>	<p>Interchangeable hygrometry and ambient temperature probe</p> <p>Probe body in ABS, 94.5 mm length, capacitive sensing element, stainless steel filter and mini-DIN connector</p>
 <p>KITHP-130</p>	<p>Hygrometry (capacitive)**: Repeatability, linearity: $\pm 1.5\%$ RH (from 10 to 80% RH and from 10 to 50°C***) Hysteresis: 0.8% RH at 25°C Time drift: <0.5% RH per year in normal conditions of use (from 5 to 60°C and from 20 to 80% RH, apart from indoor pollutants)</p> <p>Temperature (NTC): $\pm 0.2^\circ\text{C}$</p>	<p>From 0 to 100 %RH</p> <p>From -20 to +70°C</p>	<p>Remote interchangeable hygrometry and temperature probe</p> <p>Probe body in ABS, 130 mm length, NTC sensing element, stainless steel filter, PVC cable of 2 m length with mini-DIN connector</p>
 <p>KITHI-150</p>	<p>Hygrometry (capacitive)**: Repeatability, linearity: $\pm 1.5\%$ RH (from 15 to 25°C and from 5 to 95% RH) Hysteresis: <2% RH at 25°C Temperature dependance: $\pm 0.04 \times (T-20)\%$RH (if $T > 25^\circ\text{C}$ or $T < 15^\circ\text{C}$) Temperature (Pt100): $\pm 0.3\%$ of reading $\pm 0.25^\circ\text{C}$</p>	<p>From 0 to 100 %RH</p> <p>From -40 to +180°C</p>	<p>Remote interchangeable hygrometry and temperature probe</p> <p>Probe body in stainless steel, 150 mm length, capacitive sensing element, stainless steel filter, silicone cable of 2 m with mini-DIN connector</p>


Caps for humidity probes

References	Features	Max. particle	Max. air velocity	Max. temperature	Relative humidity
 <p>EPP2</p>	<p>Cap: ABS Filter: mesh, 316 L stainless steel 30 mm length</p>	25 μ	25 m/s	80°C	95% RH
 <p>EPI25</p>	<p>Cap: 316 L stainless steel Filter: mesh, 316 L stainless steel 30 mm length</p>	25 μ	25 m/s	180°C	95% RH
 <p>EPI100</p>	<p>Cap: 316 L stainless steel Filter: mesh, 316 L stainless steel 30 mm length</p>	100 μ	20 m/s	180°C	100% RH
 <p>EPFI</p>	<p>Cap: 316 L stainless steel Filter: sintered, 316 L stainless steel 30 mm length</p>	25 μ	25 m/s	180°C	90% RH
 <p>EPFT</p>	<p>Cap: PTFE Filter: sintered, 316 L stainless steel 30 mm length</p>	10 μ	25 m/s	180°C	90% RH
 <p>EPH202</p>	<p>Cap: MnO₂ Filter: sintered, PTFE 33 mm length</p>	50 μ	25 m/s	180°C	95% RH
 <p>EPBF</p>	<p>33 mm length</p>	50 μ	25 m/s	150 °C	95 %RH
 <p>CPH</p>	<p>Cap: Silicone 30 mm length</p>	Tight	-	50 °C	100 %RH

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

** Accuracy in RH depends on temperature: typical $\pm 2\%$ RH below 10°C and above 50°C.

*** For continuous use at values above 80%RH, please consult us.

 Probes compatible with Sauer mann and Kimo devices.