KIMO INSTRUMENTS

Technical Data Sheet

Pressure / Temperature / Humidity / Air Velocity / Airflow / Sound level

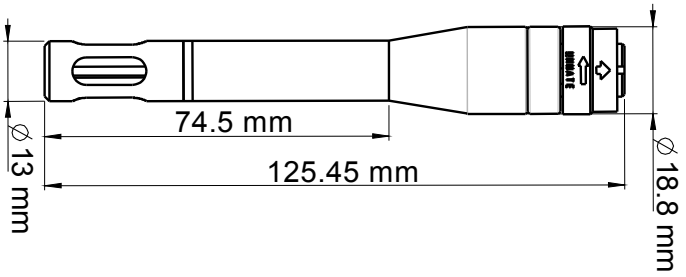
Temperature, hygrometry, CO and CO_2 probes for class 310 transmitters

CE

STAINLESS STEEL HYGROMETRY/TEMPERATURE PROBE

Stainless steel interchangeable hygrometry and ambient temperature probe with stainless steel filter. Standard mounting probe 120 mm length with hermetic connector 1/4 de tour. Optional : protection tips, filters.

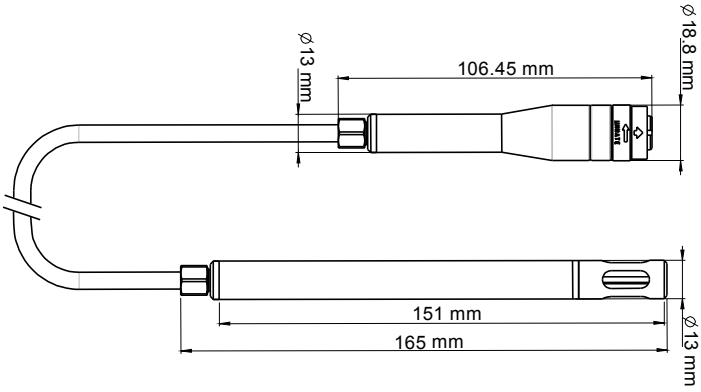
Ref : SHSI

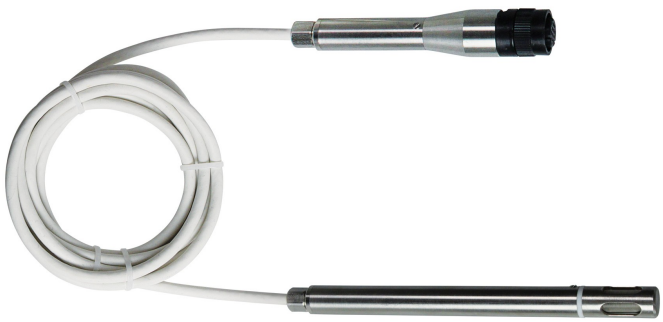


Measuring ranges	From 5 to 95%RH and from -20 to 80 °C
Accuracy*	**Hygrometry :** **- Accuracy** (Repeatability, linearity, hysteresis)** : ±1.5%RH (from 15°C to 25°C) **- Factory calibration uncertainty :** ±0.88 %RH **- Temperature dependence :** ±0.04 x (T-20) %RH (if T<15°C or T>25°C) **Pt100 temperature :** ±0.3% of reading ±0.25°C
Resolution	0.1 %RH / 0.1 °C

Stainless steel interchangeable hygrometry and ambient temperature probe with stainless steel filter. Remote probe 150 mm length, 13 mm diameter. White silicone cable 2 m length with hermetic connector. Optional : protection tips, filters.

Ref : SHDI-150



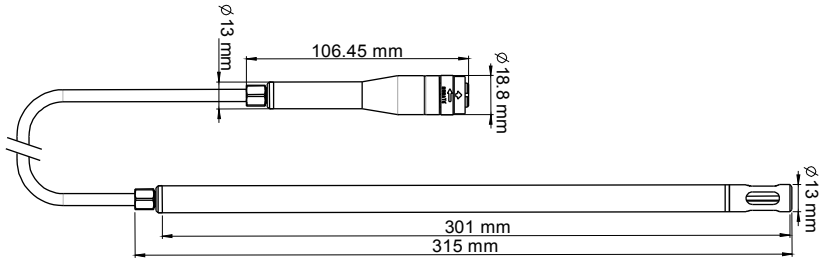


Measuring ranges	From 5 to 95%RH and from -40 to +180 °C
Accuracy*	**Hygrometry :** **- Accuracy** (Repeatability, linearity, hysteresis)** : ±1.5%RH (from 15°C to 25°C) **- Factory calibration uncertainty :** ±0.88 %RH **- Temperature dependence :** ±0.04 x (T-20) %RH (if T<15°C or T>25°C) **Pt100 temperature :** ±0.3% of reading ±0.25°C
Resolution	0.1 %RH / 0.1 °C

*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.
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.

Stainless steel interchangeable hygrometry and ambient temperature probe with stainless steel filter. Remote probe 300 mm length, 13 mm diameter. White silicone cable 2 m length with hermetic connector. Optional : protection tips, filters.

Ref : SHDI-300

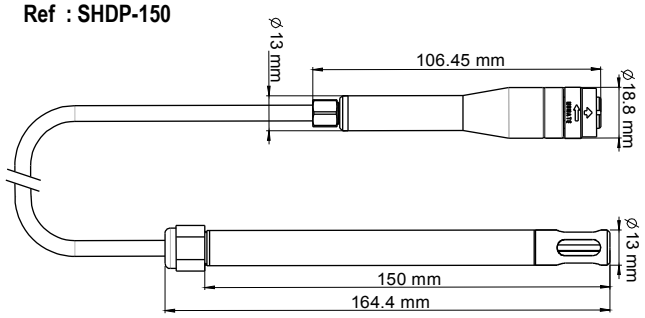


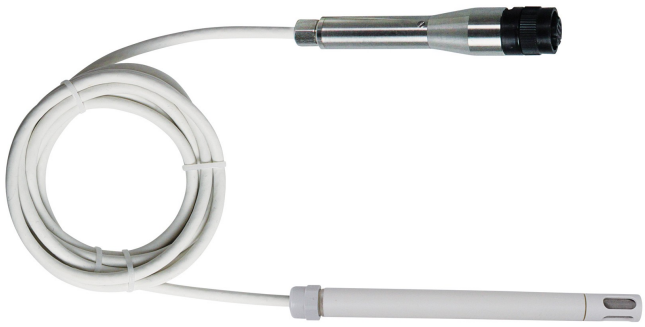
Measuring ranges	From 5 to 95%RH and from -40 to +180 °C
Accuracy*	**Hygrometry :** **- Accuracy** (Repeatability, linearity, hysteresis)** : ±1.5%RH (from 15°C to 25°C) **- Factory calibration uncertainty :** ±0.88 %RH **- Temperature dependence :** ±0.04 x (T-20) %RH (if T<15°C or T>25°C) **Pt100 temperature :** ±0.3% of reading ±0.25°C
Resolution	0.1 %RH / 0.1 °C

POLYCARBONATE HYGROMETRY/TEMPERATURE PROBE

Polycarbonate interchangeable hygrometry and ambient temperature probe with stainless steel filter. Remote probe 150 mm length, 13 mm diameter. White silicone cable 2 m length with hermetic connector. Optional : protection tips, filters.

Ref : SHDP-150

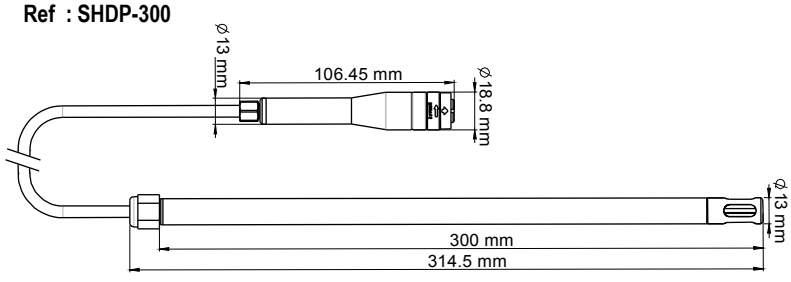




Measuring ranges	From 5 to 95%RH and from -20 to +80 °C
Accuracy*	**Hygrometry :** **- Accuracy** (Repeatability, linearity, hysteresis)** : ±1.5%RH (from 15°C to 25°C) **- Factory calibration uncertainty :** ±0.88 %RH **- Temperature dependence :** ±0.04 x (T-20) %RH (if T<15°C or T>25°C) **Pt100 temperature :** ±0.3% of reading ±0.25°C
Resolution	0.1 %RH / 0.1 °C

Polycarbonate interchangeable hygrometry and ambient temperature probe with stainless steel filter. Remote probe 300 mm length, 13 mm diameter. White silicone cable 2 m length with hermetic connector. Optional : protection tips, filters.

Ref : SHDP-300



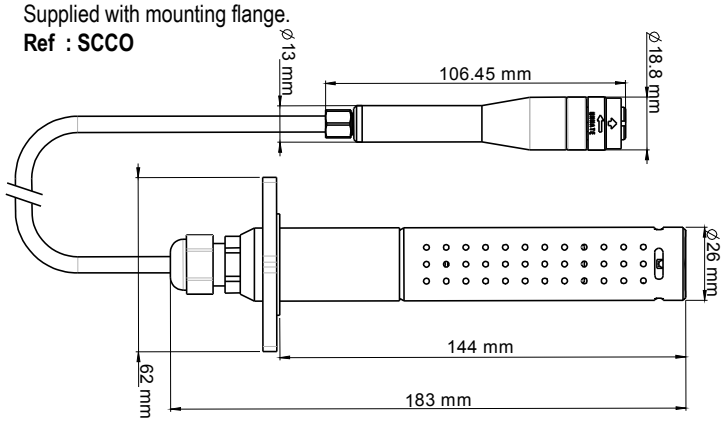
Measuring ranges	From 5 to 95%RH and from -20 to +80 °C
Accuracy*	**Hygrometry :** **- Accuracy** (Repeatability, linearity, hysteresis)** : ±1.5%RH (from 15°C to 25°C) **- Factory calibration uncertainty :** ±0.88 %RH **- Temperature dependence :** ±0.04 x (T-20) %RH (if T<15°C or T>25°C) **Pt100 temperature :** ±0.3% of reading ±0.25°C
Resolution	0.1 %RH / 0.1 °C

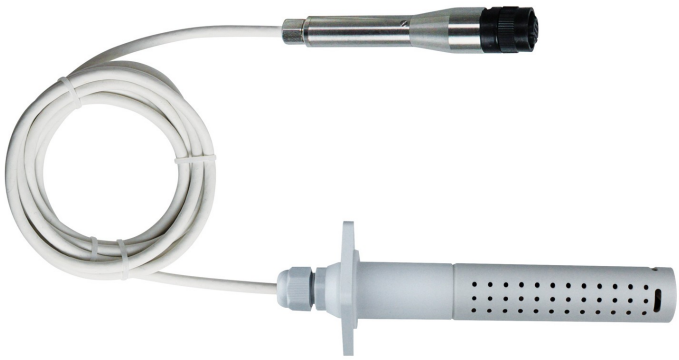
*All accuracies indicated in this document were stated in laboratory conditions and can be guaranteed for measurements carried out in the same conditions, or carried out with calibration compensation.
As per NFX 15-113 and the *Charter 2000/2001 HYGROMETERS*, GAL (Guaranteed Accuracy Limit) which has 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.

CO / TEMPERATURE PROBE

ABS V0 interchangeable CO and temperature probe. Remote probe 160 mm length, 26 mm diameter. White PVC cable 2 m length with hermetic connector. Supplied with mounting flange.

Ref : SCCO



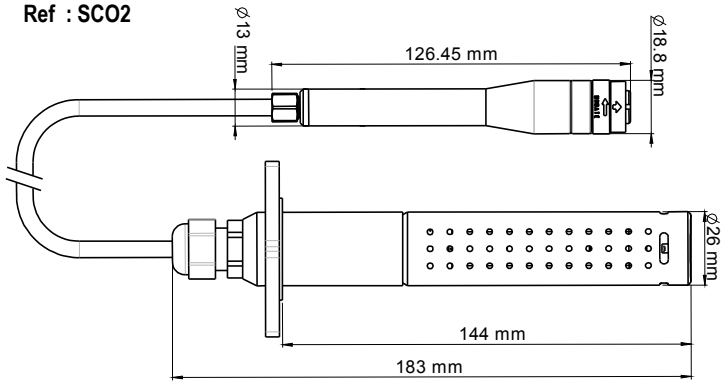


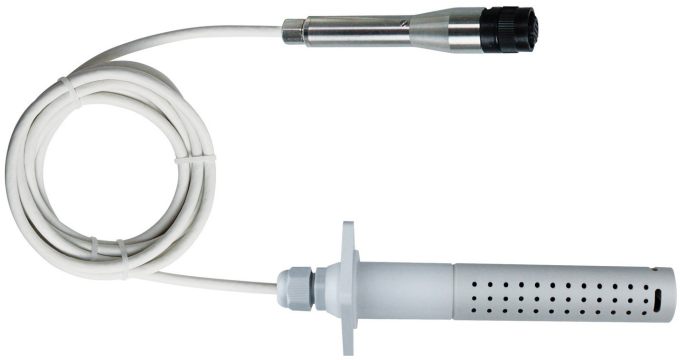
Measuring ranges	From 0 to 500 ppm and from 0 to 50 °C
Accuracy*	**CO :** ±3% ppm or 3% of measured value **NTC temperature :** ±0.3 °C
Resolution	0.1 ppm / 0.1 °C

CO_2 / TEMPERATURE PROBE

ABS V0 interchangeable CO_2 and temperature probe. Remote probe 160 mm length, 26 mm diameter. White PVC cable 2 m length with hermetic connector. Supplied with mounting flange.

Ref : SCO2



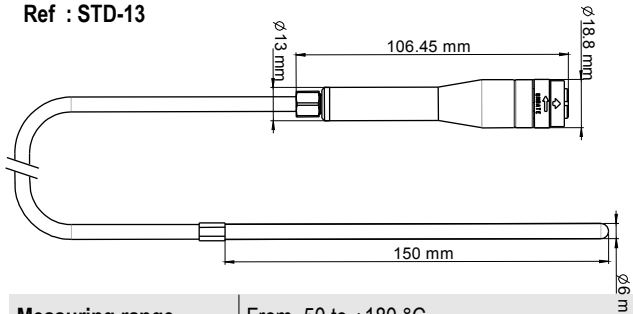


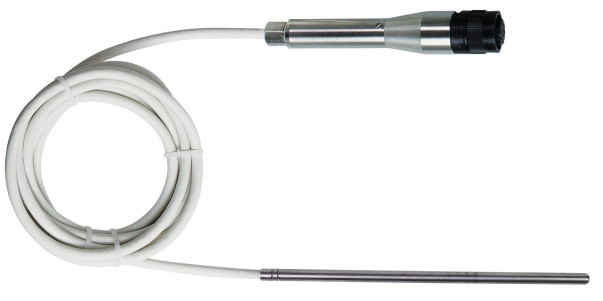
Measuring ranges	From 0 to 5000 ppm and from 0 to 50 °C Other available range in CO_2 : from 0 to 20 000 ppm
Accuracy*	**CO_2 :** from 0 to5000 ppm : ±3% of reading ±50ppm from 0 to 20 000 ppm : ±5% of reading ±100 ppm **NTC temperature :** ±0.3 °C
Resolution	0.1 ppm / 0.1 °C

TEMPERATURE

Interchangeable Pt100 1/3 DIN temperature probe for general use, contact tip 6 mm diameter, 150 mm length, IP65. Grey silicone cable 2 m length with hermetic connector.

Ref : STD-13





Measuring range	From -50 to +180 °C
Accuracy*	±0.3% of reading ±0.25°C
Resolution	0.1 °C

*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.

FTang_temp-hygro-CO-CO2-probe-class310-transmitter_20-12-13 – RCS (24) Périgueux 349 282 095 Non-contractual document – We reserve the right to modify the characteristics of our products without prior notice.

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