



- , , CO₂, CO, , , 가
- (,)
- 가
- SD card
- 2 Pt100
- 6
-



AMI 310 :

AMI 310 CLA : , ABS , , 70 mm

AMI 310 STD : , ±10000 Pa , Ø 6 mm , 2 x 1 m , , ABS , , Ø100 mm ,

AMI 310 PRO : ± 500 Pa , Ø 6 mm , 2 x 1 m , , ABS , , Ø14mm , Ø100mm

AMI 310 CRF : , ABS , , Ø 70mm

AMI 310 SRF : , ±10000 Pa , Ø 6 mm , 2 x 1 m , , ABS , , Ø100mm

AMI 310 PRF : ±500 Pa , Ø 6 mm , 2 x 1 m , , , Ø 100 mm



Climatic conditions measurement



Hygrometry and air velocity measurement



Pressure measurement

mini-DIN

USB



Ø14 mm vane probe				
	Air velocity : m/s, fpm, km/h	From 0 to 3 m/s From 3.1 to 25 m/s	From 0.8 to 3 m/s : ±3% of reading ±0.1m/s From 3.1 to 25 m/s : ±1% of reading ±0.3 m/s	0.1 m/s
	Airflow : m³/h, cfm, l/s, m³/s	From 0 to 99999 m³/h	±3% of reading or ±0.03*area surface (cm²)	1 m³/h
	Temperature : °C, °F	From -20 to +80°C	±0.4% of reading ±0.3°C	0.1 °C
Ø70 mm vane probe	Air velocity : m/s, fpm, km/h	From -5 to 3 m/s From 3.1 to 35 m/s	From 0.4 to 3 m/s : ±3% of reading ±0.1m/s From 3.1 to 35 m/s : ±1% of reading ±0.3 m/s	0.1 m/s
	Airflow : m³/h, cfm, l/s, m³/s	From 0 to 99999 m³/h	±3% of reading or ±0.03*area surface (cm²)	1 m³/h
	Temperature : °C, °F	From -20 to +80°C	±0.4% of reading ±0.3°C	0.1 °C
Ø100 mm vane probe	Air velocity : m/s, fpm, km/h	From -5 to 3 m/s From 3.1 to 35 m/s	From 0.3 to 3 m/s : ±3% of reading ±0.1m/s From 3.1 to 35 m/s : ±1% of reading ±0.3 m/s	0.01 m/s 0.1 m/d
	Airflow : m³/h, cfm, l/s, m³/s	From 0 to 99999 m³/h	±3% of reading or ±0.03*area surface (cm²)	1 m³/h
	Temperature : °C, °F	From -20 to +80°C	±0.4% of reading ±0.3°C	0.1 °C
Hotwire probe	Air velocity : m/s, fpm, km/h	From 0.15 to 1 m/s From 0.15 to 3 m/s From 3.1 to 30 m/s	± 2%of reading ± 0.03 m/s*** ± 3% of reading ± 0.03 m/s ± 3% of reading ± 0.1 m/s	0.01 m/s 0.01 m/s 0.1 m/s
	Airflow : m³/h, cfm, l/s, m³/s	From 0 to 99999 m³/h	±3% of reading or ±0.03*area surface (cm²)	1 m³/h
	Temperature : °C, °F	From -20 to +80°C	±0.3% of reading ±0.25°C	0.1 °C

AMI 310
/ / / , / / K , K2

MPR 500	Pa, mmH ₂ O, In WG, mbar, hPa, mmHg, daPa, kPa	From 0 to ±500 Pa From 2 to 28 m/s***	From -100 to +100 Pa : ±0.2% of reading ±0.8 Pa Beyond : ±0.2% of reading ±1.5 Pa	From -100 to +100 Pa : 0.1 Pa Beyond : 1 Pa	250 mbar
MPR 2500		From 0 to ±2500 Pa From 2 to 60 m/s***	±0.2% of reading ±2 Pa	1 Pa	500 mbar
MPR 10000		From 0 to ±10000 Pa From 4 to 100 m/s***	±0.2% of reading ±10 Pa	1 Pa	1200 mbar
MPR 500 M	mmH ₂ O, In WG, mbar, hPa, mmHg, daPa, kPa, PSI	From 0 to ±500 mbar From 9 to 100 m/s***	±0.2% of reading ±0.5 mbar	0.1 mbar	2 bar
MPR 2000 M	bar, In WG, mbar, hPa, mmHg, kPa, PSI	From 0 to ±2000 mbar From 18 to 100 m/s***	±0.2% of reading ±2 mbar	1 mbar	6 bar
	Air velocity: m/s, fpm, km/h, mph	From 2 to 5 m/s From 5.1 to 100 m/s	±0.3 m/s ±0.5% of reading ±0.2 m/s	0.1 m/s	-
	Airflow : m³/h, cfm, l/s, m³/s	From 0 to 99999m³/h	±0.2% of reading ±1% FS	1 m³/h	
	Air velocity : m/s, fpm, km/h, mph	From 3 to 20 m/s From 21 to 100 m/s	±0.3 m/s ±1% of reading ±0.1 m/s	0.1 m/s	-
	Airflow : m³/h, cfm, l/s, m³/s	From 0 to 99999m³/h	±0.2% of reading ±1% FS	1 m³/h	

가 K,J,T,S 가

	°C, °F	K : From -200 to +1300°C J : From -100 to +750°C T : From -200 to +400°C S : From 0 to 1760°C	K, J, T : From -200 to 0 °C : ±0.4°C ±0.3 % of reading From 0 to 1300 °C : ±0.4°C S : ±0.6 °C	0.1 °C 0.1 °C 0.1 °C 0.1 °C
--	--------	--	---	--------------------------------------

AMI 310
(AMI 310 PRO, PRF) / (AMI 310 CLA, STD, CRF and SRF) / (0 to 9) /

*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. / **Optional specific adjustment and calibration
***Depending on the differential pressure element connected to the instrument

SHR 110 and SHR 300 hygrometry probes	Relative humidity : %RH	From 3 to 98%RH	Accuracy** (Repeatability, linearity, Hysteresis) : $\pm 1.5\%$ RH (from 15°C to 25°C) Factory calibration uncertainty: $\pm 0.88\%$ RH Temperature dependence : $\pm 0.04 \times (T-20)\%$ RH (if T<15°C or T>25°C)	0.1%RH
	Absolute humidity ¹ : g/Kg, Kj/Kg	From 0 to 600 g/m ³	-	0.1 g/m ³
	Dewpoint ¹ : °C _{td} , °F _{td}	From -50 to +100°C _{td}	$\pm 0.6\%$ of reading $\pm 0.5^\circ\text{C}_{td}$	0.1 °C _{td}
	Wet temperature ¹ : °C _{tw} , °F _{tw}	From -50 to +100°C _{tw}	$\pm 0.6\%$ of reading $\pm 0.5^\circ\text{C}_{td}$	0.1 °C _{tw}
	Enthalpy ¹	From 0 to 15 000 kj/kg	-	0.1 kj/kg
	Temperature : °C, °F	From -20 to +80°C (SHR110) From -40 to +180 °C (SHR 300)	$\pm 0.3\%$ of reading $\pm 0.25^\circ\text{C}$	0.1 °C
SOM 900 omnidirectional probe of draught	Air velocity : m/s, fpm, km/h	From 0.00 to 5.00 m/s	$\pm 3\%$ of reading ± 0.05 m/s	0.01 m/s
	Relative humidity : %RH	From 5 to 95%RH	Accuracy** (Repeatability, linearity, Hysteresis) : $\pm 1.8\%$ RH (from 15°C to 25°C) Factory calibration uncertainty: $\pm 0.88\%$ RH Temperature dependence : $\pm 0.04 \times (T-20)\%$ RH (if T<15°C or T>25°C)	0.1%RH
	Temperature : °C, °F	From -20 to +80°C	$\pm 0.3\%$ of reading $\pm 0.25^\circ\text{C}$	0.1 °C
SCOH 112 CO2/hygrometry/temperature probe	Temp. : °C, °F CO ₂ : ppm Hygro : %HR	From -20 to +80°C From 0 to 5000 ppm From 5 to 95%HR	$\pm 0.3\%$ of reading $\pm 0.25^\circ\text{C}$ $\pm 3\%$ of reading ± 50 ppm Accuracy** (Repeatability, linearity, Hysteresis) : $\pm 1.8\%$ RH (from 15°C to 25°C) Factory calibration uncertainty: $\pm 0.88\%$ RH Temperature dependence : $\pm 0.04 \times (T-20)\%$ RH (if T<15°C or T>25°C)	0.1 °C 1 ppm 0.1%RH

AMI 310	WBGT index	가	WBGT index
---------	------------	---	------------

- $T_w =$
- $T_g =$
- $T_d =$ ().

AMI 310, (CO / , CO / , CO / /) : (2), , ,

- $$\bullet \quad \vdash T, \quad (\quad), \quad , \quad ,$$

**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.*

¹ Calculated value.

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

AMI310

	SMART - 2014	2	mini - DIN	,	PC	1	micro - USB
	-						
가	57H						
	1000 , 20000 + 4 GB micro SD card						
	0 to +50 °C						
	-20 to +80 °C						
	15 ~ 120		OFF				
	485 g						
	Neutral gas						
Conformity	EMC 2004/108/CE and EN 61010-1 directives						
	,	,	,	,	,	,	,

Description	AMI 310	AMI 310 CLA	AMI 310 STD	AMI 310 PRO	AMI 310 CRF	AMI 310 SRF	AMI 310 PRF
± 500 Pa (MPR 500)	○	○	○	√	○	○	√
± 2500 Pa (MPR 2500)	○	○	○	○	○	○	○
± 10000 Pa (MPR 1000)	○	○	√	○	○	√	○
± 500 mbar (MPR 500 M)	○	○	○	○	○	○	○
± 2000 mbar (MPR 2000 M)	○	○	○	○	○	○	○
4 (M4TC)	○	○	○	○	○	○	○
(MCC)	○	○	○	○	○	○	○
U (MCU)	○	○	○	○	○	○	○
2 x 1 m 4 x 7 mm	○	○	√	√	○	√	√
6 x 100 mm	○	○	√	√	○	√	√
6 mm, lg. 300 mm	○	○	√	○	○	√	○
6 mm, lg. 300 mm T	○	○	○	√	○	○	√
6 mm, lg. 300 mm S	○	○	○	○	○	○	○
(SOM 900)	○	○	○	○	○	○	○
(SMT 900)	○	○	○	○	○	○	○
ABS (SHR 110)	○	√	√	○	○	○	○
ABS (SHRF 110)	○	○	○	○	√	√	○
(SHR 300)	○	○	○	√	○	○	○
(SHRF 300)	○	○	○	○	○	○	√
CO / (SCO 110)	○	○	○	○	○	○	○
CO / (SCO 112)	○	○	○	○	○	○	○
CO / / (SCOH 112)	○	○	○	○	○	○	○
(SFC 300)	○	√	√	○	√	√	○
(SFC 300)(SFC 900)	○	○	○	√	○	○	√
14 mm (SH 14)	○	○	○	√	○	○	○
14 mm (SHT 14)	○	○	○	○	○	○	○
70 mm (SH 70)	○	√	○	○	○	○	○
70mm (SHT 70)	○	○	○	○	○	○	○
70mm (SHF 70)	○	○	○	○	√	○	○
100mm (SH 100)	○	○	√	√	○	○	○
100mm (SH 100)	○	○	○	○	○	○	○
100mm (SHF 100)	○	○	○	○	○	√	√
Light (SLU)	○	○	○	○	○	○	○
(STA)	○	○	○	○	○	○	○
가 (SFG 300)	○	○	○	○	○	○	○
Pt100 SMART-2014	○	○	○	○	○	○	○
Pt100	○	○	○	○	○	○	○
K,J,T,S	○	○	○	○	○	○	○
	○	√	√	√	√	√	√
	√	√	√	√	√	√	√
	○	○	○	○	○	○	○

√ : supplied with ○ : optional

**Light probe (SLU)**

0~150,000 lx
0~13935 fc

**4 thermocouple channels module (M4TC)**

-200~+1760
()

**Climatic conditions module (MCC)**

0~+50 , 800~1100 hPa, 5~95%RH

**Wireless hygrometry probe (SHRF 110)**

3~98%RH, -50~+100 td
-20~+80

**High temperature wireless hygrometry probe (SHRF 300)**

3~98%RH, -50~+100 td
-40~+180

**U coefficient module (MCU)**

-20~+80 , U coefficient 가

**Optical tachometry probe (STA)**

0~60,000 tr/min

**Contact tachometry probe (STA)**

0~20,000 tr/min

**Hotwire probe***

0.15~30 m/s, 0~99999 m³/h,
-20~+80

**Vane probe Ø14 mm***

0.15~30 m/s, 0~99999 m³/h,
-20~+80

**Wireless Ø70 mm vane probe****

-5~35 m/s, 0~99999 m³/h,
-20~+80

**Ø100 mm vane probe****

-5~35 m/s, 0~99999 m³/h,
-20~+80

**CO/temperature probe (SCO 110)**

0~500 ppm, -20~+80

**Gas leak probe (SFG 300)**

0~10,000 ppm

**Airflow cones**

10~1200 m³/h

**L and S Pitot tubes**

2~100 m/s, 0~99999 m³/h

**Debimo blades**

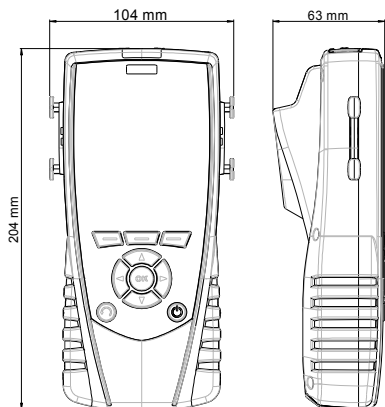
4~100 m/s, 0~99999 m³/h



Large choice of temperature probes (see related datasheet) : ambient / contact / penetration / immersion...

**Black ball (BN)**

Ø70 mm or 150 mm, with cable gland for Ø2 to 7 mm temperature probes



: ABS/PC and elastomer

: IP54

: 120*160

58*76mm

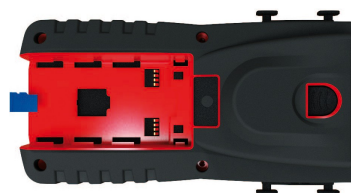
6

: 10

(Elastomer

)

가 20,000 1000
4G micro-SD card()



가



Datalogger : PC software for data recording and processing.



RTE : Telescopic extension length 1m bent at 90° for measuring probe



CSM : Mini-DIN / mini-DIN cable for probe



KIMP23 : Infrared printer



SAD : Backpack

1 가

www.kimo.fr

Distributed by :



EXPORT DEPARTMENT

Tel : + 33. 1. 60. 06. 69. 25 - Fax : + 33. 1. 60. 06. 69. 29

e-mail : export@kimo.fr