

THERMO-ANEMOMETERS

LV 100 and LV 110



Reliable and accurate

Simple to use

Display of 2 parameters simultaneously

Selection of languages

FUNCTIONS



VANE PROBE THERMO-ANEMOMETER :

- ▶ Air velocity
- ▶ Automatic average
- ▶ Pt100 temperature inside the probe
- ▶ Airflow and airflow with cone (LV 110 model)
- ▶ Hold function
- ▶ Min. et max. values
- ▶ Selection of units



SPECIFICATIONS

		Measuring units	Measuring ranges	Accuracy*	Resolution
LV 100	Air velocity	m/s, fpm	0,20 to 3m/s 3,1 to 35m/s	±3% of reading ±0,1m/s ± 3% of reading ±0,2m/s	0,01m/s 0,1m/s
	Ambient temperature	°C, °F, K	-20 to +80°C	±2% of reading ±0,2°C	0,1°C
LV 110	Air velocity	m/s, fpm	0,20 to 3m/s 3,1 to 35m/s	±3% of reading ±0,1m/s ±3% of reading ±0,2m/s	0,01m/s 0,1m/s
	Ambient temperature	°C, °F, K	-20 to +80°C	±2% of reading ±0,2°C	0,1°C
	Airflow	m ³ /h, l/s, cfm, m ³ /s	0 to 65000 m ³ /h	±3% of reading ±10m ³ /h	1m ³ /h

* Performed in laboratory conditions, all the above accuracies mentioned in this document will be guaranteed, provided that you use the calibration compensation data or identical calibration conditions.

TECHNICAL FEATURES

DISPLAY : 2 lines of 12 characters. Size 38 x 12 mm.

HOUSING : Shock-proof, made of ABS/PC.

KEYPAD : Made of Elastomer : 5 keys.

CABLE : retractable, length 450 mm, up to 2,4m when released

MEASURING ELEMENTS :

Vane anemometer : Hall effect sensor.

Ambient temperature : Pt100 class A.

CONFORMITY : electromagnetical compatibility (norm NF EN 61326-1)

POWER SUPPLY : 1 Alcaline battery 9 V 6LR6

WORKING ENVIRONMENT : Neutral gas

WORKING TEMPERATURE : From 0 to 50°C.

STORAGE TEMPERATURE : From 0 to 50°C.

AUTOMATIC SHUT-OFF : 30 min

DIMENSIONS : 145 x 75 x 34 mm

WEIGHT : 190 g

LANGUAGES AVAILABLE : French, English.

SUPPLIED WITH...

O Optional

X Included

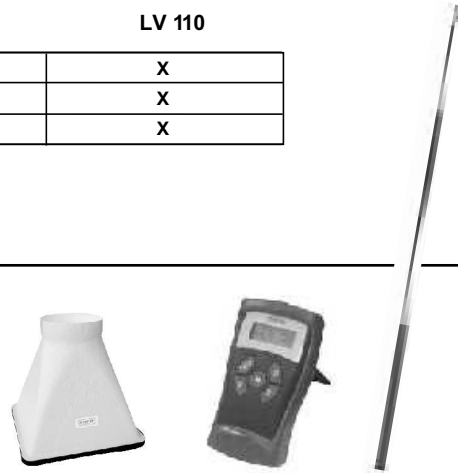
LV 100

LV 110

	LV 100	LV 110
Vane probe Ø 100 mm, lg. 310 mm	X	X
Transport case	X	X
Calibration certificate	X	X

ACCESSORIES

- Airflow cone
- Rubber boot protection with magnet and holding-leg
- Telescopic extension, length 1m bent at 90° for probe.



AFTER-SALES SERVICE

Kimo performs the calibration, the adjusting and maintenance of all their instruments to guarantee a constant level of quality of your measurements. Within the Quality Insurance norms, we recommend that the instruments are checked once a year.

USING

Selection of the language : (with unit switched off) press and hold "OK". Then press "ON/OFF". Press "HOLD" to confirm English and press "SELECT" for French.

To switch on, press "ON/OFF".

- Selection of unit of measure : press "SELECT" to scroll down the menus (units, average and airflow). When "units" appears, press "OK". Scroll down the measure units of air velocity by pressing "SELECT" and confirm by pressing "OK". Proceed the same way for the measure units of temperature.

- Calculation of average : press "SELECT" to scroll down the menus. When "average" appears, press "OK". To start the calculation, press "OK". To stop the calculation, press "OK". Then, the result is displayed. To start another calculation, press "OK" and to come back to the measure in progress, press "ESC".

- Airflow (on model LV 110 only) : select the type of duct by pressing "SELECT" and confirm by pressing "OK". Proceed the same way to select the measure unit. To enter the sizes of the duct (length and width for rectangular or diameter for circular) : press "SELECT" to enter each of the 4 figures, and confirm with "OK" after each figure. (To change a previous figure, press "ESC"). Then, the measure appears. To escape the "airflow" menu, press "ESC".

- Airflow with K25 cone (on model LV110 only) : press "SELECT" to scroll down the menus. When you see "K25 CONE", press "OK". The flow appears instantaneously (for a measure in supply, put the vane with the arrow turned towards the outside of the cone ; for a measure in exhaust, put the vane with the arrow turned towards the inside of the cone).

- Min. and max. values : press "MIN/MAX" once to display the air velocity values and press twice to display the temperature values. To escape this menu, press "ESC".

- Function HOLD : to hold the measure, press "HOLD" and to come back to the measure in progress, press this key once again.

- To switch off, press and hold "ON/OFF" during few seconds.



Ref. FT ang - LV100 LV110 - 11/02 C

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