

*New*

CE



# THERMO ANEMOMETER VT 100

Reliable and accurate

Simple to use

Display of 2 parameters simultaneously

Selection of languages

## FUNCTIONS



### **HOTWIRE THERMO-ANEMOMETER :**

- Air velocity
- Airflow : direct measuring with cones
- Automatic average
- Pt100 temperature inside the probe
- Hold function
- Min. et max. values
- Selection of units



## SPECIFICATIONS

	Measuring units	Measuring ranges	Accuracy*	Resolution
<b>Hotwire air velocity</b>	m/s, fpm	0 to 3,0 m/s 3,1 to 30 m/s	±3% of reading ±0,05 m/s ±3% of reading ±0,2 m/s	0,01 m/s 0,1 m/s
<b>Airflow with cones</b>	m <sup>3</sup> /h, cfm, l/s, m <sup>3</sup> /s	0 to 2000 m <sup>3</sup> /h	±3% of reading ±10 m <sup>3</sup> /h	1 m <sup>3</sup> /h
<b>Ambient temperature</b>	°C, °F, K	-20 to +80°C	±2% of reading ±0,2°C	0,1°C

\* 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** : straight, length 1,70 m

**MEASURING ELEMENTS :**

**Hotwire anemometer** : thermistance with negative temperature factor.

**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

VT 100

Hotwire probe Ø 8 mm, length 300 mm	X
Transport case	X
Calibration certificate	X

## ACCESSORIES

- Rubber boot protection , with magnet and holding-leg
- Hotwire extension / to be clipped / straight or angled, Ø 10 mm, length 300 mm
- Airflow cones : several sizes and ranges of measurement.
- Hotwire cleaning spray
- Sealing caps for ducts Ø 11,5 to 13 mm.  
Ref GPN8B (bags of 10 units). Further diameters available.



## 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".

To display the menu, press "SELECT". To scroll down the menu (average, cones, units), press "SELECT" until the menu required is displayed and confirm by pressing "OK".

- Menu "Average": when "Start OK" is displayed, press "OK" to activate the calculation of average. To stop the calculation, press "OK". Then, the result is displayed. To start another calculation, press "OK", and to escape this menu, press "ESC".

- Menu "airflow with cones": by pressing "SELECT", select the type of cone and confirm by pressing "OK". The measure is displayed. To escape this menu, press "ESC".

- Units : by pressing "SELECT", scroll down the units available in air velocity and confirm by pressing "OK". Proceed the same way to validate the unit in temperature. To escape this menu, press "ESC".

- In each of these menus, you can display the min. and max. values, by pressing "MIN/MAX". To come back to the measure in progress, press "ESC".

- You can hold the measure by pressing "HOLD" once. If you press "HOLD" once again, you come back to the previous menu.

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



**EXPORT DEPARTMENT**

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