CLASS 100

TECHNICAL DATA SHEET

New

THERMO ANEMOMETER VT 100

CE

SUPPLIED · Calibration Certificate · WITH

- **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
Hotwire air velocity	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
Airflow with cones	m³/h, cfm, l/s, m³/s	0 to 2000 m³/h	±3% of reading ±10 m³/h	1 m³/h
Ambient temperature	°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 Optionnal   X Included   **VT 100**

	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 GPNU8B (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 active 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".
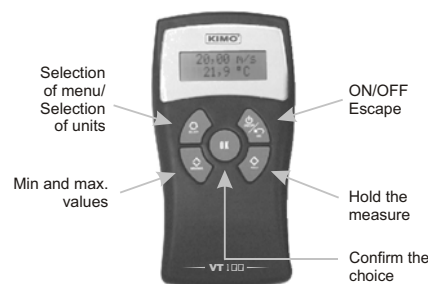
- Menu "airflow with cones" : by pressing "SELECT", select the type of cone and confirm by pressing "OK". The measure is displayed. To escape this menu, press "ESC".

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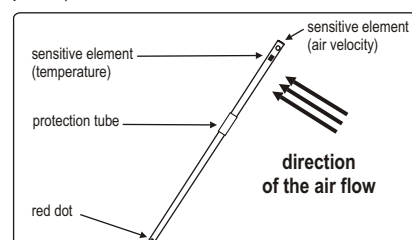
- You can hold the measure by pressing "HOLD"once. If you press "HOLD" once again, you come back to the previous menu.

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

Selection of menu/ Selection of units

ON/OFF Escape

Min and max. values

Hold the measure

Confirm the choice

Positioning the measuring element in the air flow :
Carefully slide back the sensitive element protection sheath.
Position the probe perpendicular to the air flow => the red dot (located on the bottom of the probe) must face the air flow.

sensitive element (temperature)

sensitive element (air velocity)

protection tube

direction of the air flow

red dot

Distributed by :

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