

THERMO-ANEMOMETER MULTI-PROBES VT 200 F, T, H, L and P

SUPPLIED
WITH
Calibration
Certificate



- Intuitive menu with control knob -----
- Ergonomic housing with Elastomer protection -----
- Display of 4 parameters -----
- Display of battery life level -----
- Automatic recognition of the probes -----
- Interchangeable Smart Pro probes -----
- Display of calibration date -----
- 2-channel thermometer -----
- Data-logging capabilities -----
- PC and printer interface -----
- Selection of languages -----



FUNCTIONS



HOTWIRE THERMO-ANEMOMETER:

- Air velocity
- Airflow in ducts and with cones
- Automatic average
- Point/point average
- Automatic point/point average
- Pt100 temperature inside the probe
- Pt100 temperature (C2 channel in option)



VANE THERMO-ANEMOMETER :

- Air velocity
- Airflow and airflow with cone (VT 200 L model)
- Automatic average
- Point/point average
- Automatic point/point average
- Pt100 temperature inside the probe (except vane probe Ø 16 mm)
- Pt100 temperature (C2 channel in option)



THERMOMETER :

- Pt100 temperature : 2 channels
- Dynamic delta T



DATALOGGER :




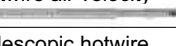
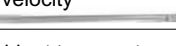

- Multi-parameters recording
- Manual and automatic storage
- Memory : 8000 pts and 40 measuring campaigns
- Simple to use, with printing of customized report
- Management of instrument fleet, and follow-up of the calibration periods.

SECONDARY-FUNCTIONS :

Hold, min. and max. values, standard deviation, printing, adjustable automatic shut-off, selection of languages.

SPECIFICATIONS

The VT 200 is a multi-probe instrument, compatible with anemometric and Pt100 temperature probes, equipped with the Smart Pro system. These probes are supplied with calibration or adjusting certificate (last calibration date display when connected). They are automatically recognized when connected, and are fully interchangeable.

		Measuring units	Measuring ranges	Accuracy*	Resolutions
THERMO ANEMO WITH VANE	Vane probe Ø100 mm 	m/s, fpm	0,20 to 3m/s 3,1 to 35m/s	±2% of reading ±0,06m/s ±2% of reading ±0,2m/s	0,01m/s 0,1m/s
	Vane probe Ø70 mm 	m/s, fpm	0,3 to 35m/s	±2% of reading ±0,1m/s	0,1m/s
	Vane probe Ø16 mm 	m/s, fpm	0,6 to 40m/s	±2% of reading ±0,1m/s	0,1m/s
	Ambient temperature (Except vane Ø 16 mm)	°C, °F, K	-20 to +80°C	±2% of reading ±0,1°C	0,1°C
	Airflow	m³/h, cfm, l/s, m³/s	0 to 65000m³/h	±3% of reading ±10m³/h	1m³/h
THERMO ANEMO WITH HOTWIRE	Hotwire air velocity 	m/s, fpm	0 to 3m/s 3,1 to 30m/s	±3% of reading ±0,03m/s ±3% of reading ±0,1m/s	0,01m/s 0,1m/s
	Telescopic hotwire air velocity 	m/s, fpm	0 to 3m/s 3,1 to 30m/s	±3% of reading ±0,03m/s ±3% of reading ±0,1m/s	0,01m/s 0,1m/s
	Ambient temperature	°C, °F, K	-20 to +80°C	±2% of reading ±0,1°C	0,1°C
	Airflow	m³/h, cfm, l/s, m³/s	0 to 65000m³/h	±3% of reading ±10m³/h	1m³/h
THERMOMETER	Pt100 temperature (2 channels) 	°C, °F, K	-100 to +400°C	±2% of reading ±0,1°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:

Graphic, with automatic backlighting. Size 48 x 24 mm.

HOUSING :

Shock-proof, made of ABS/PC, with Elastomer edges.

KEYPAD :

Made of Elastomer : 4 keys and one control knob.

CONNECTIONS :

Connectors : mini-DIN secured plugs.

Numeric connection output : USB.

COMMUNICATION MODE :

RS 232.

MEASURING ELEMENTS :

Vane anemometer : Hall effect sensor

Hotwire anemometer : thermistance with negative temperature factor.

Pt100 temperature : Pt100 class A

CONFORMITY :

Electromagnetical compatibility (norm NF EN 61326-1)

POWER SUPPLY :

4 Alcaline batteries 1,5 V LR6

WORKING ENVIRONMENT :

Neutral gas

WORKING TEMPERATURE :

From 0 to 50°C.

STORAGE TEMPERATURE :

From 0 to 50°C.

DIMENSIONS :

176 x 78 x 35 mm

WEIGHT :

400 g

LANGUAGES AVAILABLE :

French, English, Spanish, Portuguese, Italian, German, Dutch.

SUPPLIED WITH...

O Optional

X Included

VT 200 F

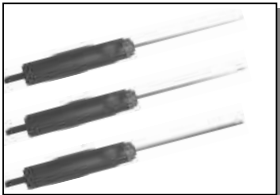
VT 200 T

VT 200 H

VT 200 L

VT 200 P

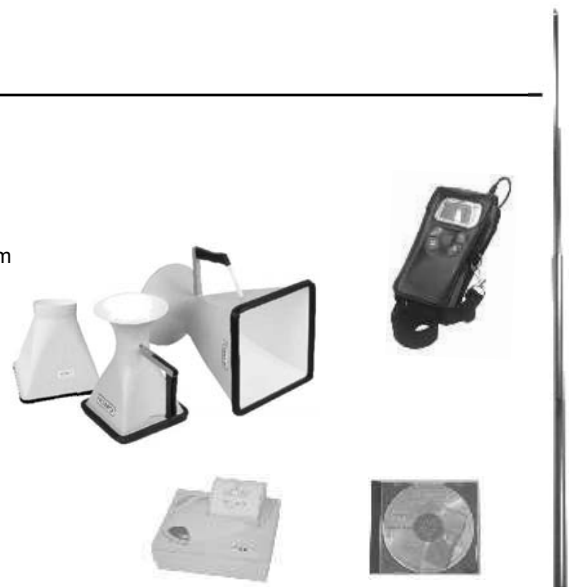
	VT 200 F	VT 200 T	VT 200 H	VT 200 L	VT 200 P
Vane probe Ø 100 mm, lg. 310 mm	O	O	O	X	O
Vane probe Ø 70 mm, lg. 310 mm	O	O	X	O	O
Vane probe Ø 16 mm, telescopic length 720 mm	O	O	O	O	X
Hotwire probe Ø 8 mm, length 300 mm	X	O	O	O	O
Straight extension for hotwire probe	X	O	O	O	O
Graduated telescopic hotwire, Ø 10 mm, length 900 mm	O	X	O	O	O
PT 100 temperature probes	O	O	O	O	O
Printer	O	O	O	O	O
Software for PC	O	O	O	O	O
Transport case	X	X	X	X	X
Calibration certificate	X	X	X	X	X



Large choice of Pt100 probes:
ambient, general use, penetration, contact...
(For more details, you can refer to the technical
data sheet of the probes for portable instruments).

ACCESSORIES

- Telescopic extension, length 1m, bent at 90° for measuring probe
- Airflow cones : several sizes and ranges of measurement (for hot-wire and vane Ø100 mm anemometers).
- Hotwire extension / to be clipped / straight or angled, Ø 10 mm, length 300 mm
- Hands-free protection cover
- Printer
- Software for PC
- Hotwire cleaning spray
- Silicone heat-conductive grease for temperature probes
- Adaptor for power supply 230 Vac



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.

www.kimo.fr

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