

## Technical Data Sheet

Pressure / Temperature / Humidity / Air Velocity / Airflow / Sound level



Supplied  
with  
Calibration  
certificate

# VT 200 Thermo-Anemometer

**New**  
**CE**



### Advantages

- Interchangeable measurement modules
- User-friendly (Joystick navigation)
- Large graphic display
- Blue backlight
- Up to 8,000 measurement points
- Up to 6 measurements simultaneously
- Instrument/PC wireless communication

### Connection



**Interchangeable measurement modules**  
1 instrument = more than 1 range and 1 parameter available.



**Wireless connection**  
Instrument / PC  
Instrument / Probe



**Smart-plus system**  
Probes automatically recognized when connected to the instrument.



### The thermo-anemometers

**VT 200 F** - Current/voltage module - Standard hotwire



**VT 200 TF** - Current/voltage module - Telescopic gooseneck-shaped



**VT 200 H** - Current/voltage module - Ø 70 mm vane probe



**VT 200 L** - Current/voltage module - Ø 100 mm vane probe



**VT 200 P** - Current/voltage module - Ø 14 mm vane probe



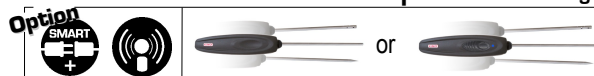
**VT 200 TP** - Current/voltage module - Telescopic  
Ø 14 mm vane probe



**Thermocouple temperature module - 4 channels**



**Wired or wireless Pt100 probes - Large choice**



**Wireless vane probes - Ø 70 mm or Ø 100 mm**





[Kimo VT 200 Thermo Anemometer](#)

[Kimo VT 200 F Thermo Anemometer](#)

[Kimo VT 200 H Thermo Anemometer](#)

[Kimo VT 200 L Thermo Anemometer](#)

[Kimo VT 200 P Thermo Anemometer](#)

[Kimo VT 200 TP Thermo Anemometer](#)

[Kimo VT 200 TF Thermo Anemometer](#)



## Functions



### Thermo-anemometer



- Selection of hotwire, duct or K factor
- Airflow in ducts and with cones
- Automatic average
- Point/point average
- Automatic point/point average
- Built-in Pt100 temperature probe
- Minimum / maximum values and hold function
- K2 factor
- Storage

### Current / voltage module

- Adjustable ranges
- Minimum / maximum values and hold function
- Storage



### Thermometer

#### THERMOCOUPLE MODULE

- Dynamic delta T
- Audible Alarm (lower and upper setpoints)
- Selection of units
- Minimum / maximum values and hold function
- 4-channels storage of thermocouple K, J and T

#### TEMPERATURE PROBES

- Dynamic delta T
- Audible Alarm (lower and upper setpoints)
- Selection of units
- Minimum / maximum values and hold function
- Storage

### Datalogger-10

- Multi-parameters recording
- Manual and automatic storage
- Memory : up to 8,000 measurement points or 50 datasets
- User-friendly with printing of customized report
- Management of instruments pool, follow-up of calibration periods
- Intervention planning
- Wired or wireless interface Multi-parameters recording
- Manual and automatic storage
- Memory : up to 8,000 measurement points or 50 datasets
- User-friendly with printing of customized report
- Management of instruments pool, follow-up of calibration periods
- Intervention planning
- Wired or wireless interface



## Technical features

### Sensing elements

#### Hotwire :

Air velocity : Thermistance with a negative temperature coefficient.  
Ambient temperature : Pt100 1/3 Din.

**Ø 70 and 100 mm vane probes :** Hall effect sensor

Ambient temperature : Pt100 class A.

**Ø 14 mm vane probe :** Proximity sensor

Ambient temperature : Pt100 class A.

**Thermocouple probes :** type K, J and T class 1

**VT200 connection Pt100 probes Smart-plus :** Pt100 class 1/3 Din

#### On the top :

2 secured mini-DIN connectors for SMART-Plus probes

#### Left side :

1 USB port for KIMO cable only

1 power supply plug

### Interchangeable measurement modules

#### Thermocouple module :

**Connection :** 4 inputs for compensated miniature plug of thermocouple type K, J or T Class 1 (as per IEC 584-3 norm)

#### Current / voltage module :

**Connection :** 2 stereo jacks

### Display

Graphic display 128x128 pixels  
Dim. 50 x 54 mm  
Blue backlight  
Display of 6 measurements (including 4 simultaneously)

### Housing

ABS shock-proof  
IP54

### Keypad

Metal-coated,  
5 keys  
1 joystick

### Conformity

Electromagnetical compatibility  
(NF EN 61326-1 norm)

### Power supply

4 alkaline batteries 1,5V LR6

### Operating environment

Neutral gas

### Operating temperature

from 0 to +50°C

### Storage temperature

from -20 to +80°C

### Auto shut-off

adjustable from 0 to 120 min

### Weight

340g

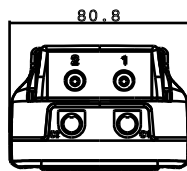
### Languages

French, English, Dutch, German, Italian,  
Spanish, Portuguese, Swedish, Norwegian, Finn, Danish

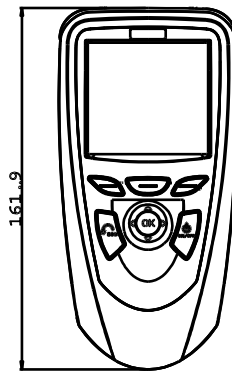


## Dimensions

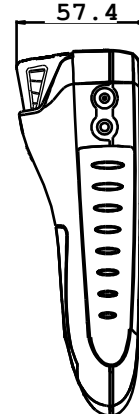
• Top view






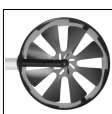



• Front view



• Side view



## Specifications

	Measuring units	Measuring range	Accuracy*	Resolutions	
CURRENT / VOLTAGE					
	V, mA	from 0 to 2.5 V from 0 to 10 V from 0 to 4/20 mA	±2mV ±10mV ±0.01mA	0.001 V 0.01 V 0.01 mA	
THERMOCOUPLE (See related datasheet)					
	°C, °F	K : from -200 to 1300°C J : from -100 to 750°C T : from -200 to 400°C	±1.1°C or ±0.4% of reading** ±0.8°C or ±0.4% of reading** ±0.5°C or ±0.4% of reading**	0.1 °C 0.1 °C 0.1 °C	
HOTWIRE - Standard and telescopic -					
	Air velocity  Temperature  Airflow	m/s, fpm, Km/h  °C, °F  m³/h, cfm, l/s, m³/s	from 0.15 to 3 m/s from 3.1 to 30 m/s  from -20 to +80°C  from 0 to 99,999 m³/h	±3% of reading ±0.03 m/s ±3% of reading ±0.1 m/s  ±0.3% of reading ±0.25°C  ±3% of reading ±0.03*area(cm²)	0.01 m/s 0.1 m/s  0.1 °C  1 m³/h
Ø 100 mm VANE PROBE					
	Air velocity  Temperature  Airflow	m/s, fpm, Km/h  °C, °F  m³/h, cfm, l/s, m³/s	From 0.3 to 3 m/s From 3.1 to 35 m/s  from -20 to +80°C  from 0 to 99,999 m³/h	±3% of reading ±0.1m/s ±1% of reading ±0.3m/s  ±0.4% of reading ±0.3°C  ±3% of reading ±0.03*area(cm²)	0,01 m/s 0,1 m/s  0.1 °C  1 m³/h
Ø 70 mm VANE PROBE					
	Air velocity  Temperature  Airflow	m/s, fpm, Km/h  °C, °F  m³/h, cfm, l/s, m³/s	from 0.3 to 3 m/s From 3.1 to 35 m/s  from -20 to +80°C  from 0 to 99,999 m³/h	±3% of reading ±0.1m/s ±1% of reading ±0.3m/s  ±0.4% of reading ±0.3°C  ±3% of reading ±0.03*area(cm²)	0,1 m/s 0.1 °C  1 m³/h
Ø 14 mm VANE PROBE					
	Air velocity  Temperature  Airflow	m/s, fpm, Km/h  °C, °F  m³/h, cfm, l/s, m³/s	From 0.8 to 3 m/s From 3.1 to 25 m/s  from -20 to +80°C  from 0 to 99,999 m³/h	±3% reading ±0.1m/s ±1% reading ±0.3m/s  ±0,4% of reading ±0.3°C  ±3% of reading ±0.03*area(cm²)	0.1 m/s 0.1 °C  1 m³/h
WIRE OR WIRELESS Pt100 (See related datasheet)					
	°C, °F	from -50 to +250°C (According to model)	±0.3% of reading ±0.25°C (According to model)	0.01 °C	

\*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 required compensation.

\*\*The accuracy is expressed either by a deviation in °C, or by a percentage of the value concerned. Only the bigger value is considered.



## Supplied with ...

Large choice of temperature probes  
(See related datasheet) :













- ambient
- contact
- penetration
- Food industry penetration
- General use



● Supplied with ... ○ Option

DESCRIPTION	VT 200 F	VT 200 H	VT 200 L	VT 200 P	VT 200 TP	VT 200 TF	VT 200
Current / Voltage module	●	●	●	●	●	●	●
Thermocouple temperature module	○	○	○	○	○	○	○
Standard hotwire	●	○	○	○	○	○	○
Straight extension (for hotwire and Ø 14 mm vane probe)	●	○	○	●	○	○	○
Telescopic gooseneck-shaped hotwire	○	○	○	○	○	●	○
Ø 14 mm vane probe SMART-Plus	○	○	○	●	○	○	○
SMART-Plus Telescopique Ø 14 mm vane probe	○	○	○	○	●	○	○
SMART-Plus Ø 70 mm vane probe	○	●	○	○	○	○	○
SMART-Plus Ø 100 mm vane probe	○	○	●	○	○	○	○
SMART-Plus Pt 100 temperature probe	○	○	○	○	○	○	○
Wireless Ø 70 mm vane probe	○	○	○	○	○	○	○
Wireless Ø 100 mm vane probe	○	○	○	○	○	○	○
Wireless PT 100 temperature probe	○	○	○	○	○	○	○
8 rechargeable batteries with charger	○	○	○	○	○	○	○
Thermocouple probes	○	○	○	○	○	○	○
Current / voltage cable	●	●	●	●	●	●	●
Calibration certificate	●	●	●	●	●	●	●
Transport case	●	●	●	●	●	●	●

## Accessories (See related datasheet)

<b>Datalogger-10</b> Datalogger-10 PC software for data recording and processing. Wired (LPCF) or wireless (LPCR) interface. 	<b>KPIJ 20 – 50 – 100 – 200 - 600</b> Ammeter clamp with PVC cable lg. 2m and jack connector. 	<b>RTS</b> Telescopic extension, length 1 m, bent at 90° for measuring probe. 	<b>CTC-P</b> Input current/voltage cable 
<b>CE 200</b> Hands-free protective cover 	<b>GST</b> Silicone heat conductive grease for temperature probes 	<b>ADS</b> Adaptor for power supply 230 Vac 	<b>K 25 - 85 - 35 - 75 - 120 - 150</b> Air flow cone (See related datasheet) 
<b>RD 300</b> Straight extension Ø 10 mm. lg. 300 mm for hotwire and Ø 14 mm vane probe 	<b>JAC</b> Set of 4 LR6 batteries 	<b>CHA</b> 4 batteries charger 	<b>BNF</b> Hotwire cleaning spray 

## Warranty period

Instruments have 1-year guarantee for any manufacturing defect (return to our After-Sales Service required for appraisal).