



Supplied with\* Calibration certificate

# Hotwire thermo-anemometer VT 100

New  
CE



## Functions

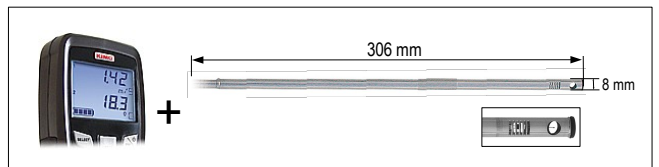
- Air velocity and ambient temperature
- Selection of units
- HOLD function
- Minimum and maximum values
- Automatic average
- Air flow calculation
- Adjustable automatic shut-off
- Adjustable backlight

## Technical features

- Measuring element**.....Hotwire air velocity : Thermistance with a negative temperature coefficient.  
**Ambient temperature** : Pt100 1/3 DIN
- Display**.....2 lines, LCD technology. Sizes 50 x 34.9 mm.  
 1 line of 5 digits with 7 segments (value)  
 1 line of 5 digits with 16 segments (unit)
- Housing**.....Shock-proof made of ABS, IP54 protection
- Keypad**.....Metal-coated with 5 keys
- Cable**.....Straight, lg. 2 m
- Conformity**.....electromagnetical compatibility (NF EN 61326-1 guideline)
- Power supply**.....1 alcaline battery 9V 6LR61
- Operating temperature**.....from 0 to 50°C
- Storage temperature**.....from -20 to +80°C
- Auto shut-off**.....adjustable from 0 to 120 min
- Weight**.....190g
- Languages**.....French, English

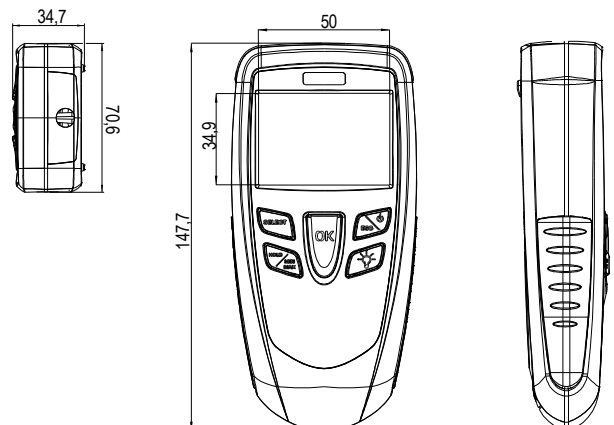


VT 100 - Standard hotwire



## Dimensions

- Top view
- Front view
- Side view



## Specifications

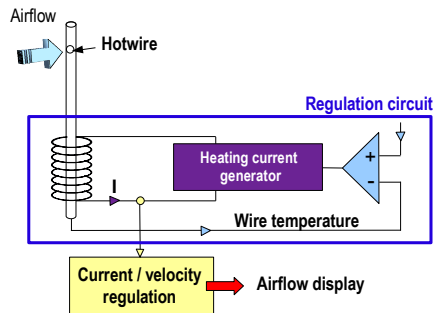
	Measuring units	Measuring ranges	Accuracy*	Resolutions
<b>AIR VELOCITY (Hotwire)</b>				
	m/s, fpm, Km/h	from 0.15 to 3 m/s from 3.1 to 30 m/s	±3% of reading ±0.05m/s ±3% of reading ±0.2m/s	0.01 m/s 0.1 m/s
<b>AIR FLOW</b>				
	m³/h, cfm, l/s, m³/h	from 0 to 99999 m³/h	±3% of reading ±0,03*area(cm²)	1 m³/h
<b>AMBIENT TEMPERATURE</b>				
	°C, °F	from -20 to +80°C	±0.4% of reading ±0.3°C	0.1°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.

## Working principle

### Hotwire anemometer

A wire is continuously heated at a superior temperature than ambient and continuously cooled by airflow. Constant temperature is maintained by a regulation circuit. The heating current is proportional to the airflow velocity.



### Thermometer : Pt100 probe

Pt100 is a resistance with a positive temperature coefficient which varies according to the temperature. The higher the temperature is, the more the value of the resistance increases. ie : for 0°C ≈ 100 Ω - for 100°C ≈ 138,5 Ω.

## Warranty period

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

## Supplied with ...



● Included ○ Optional

DESCRIPTION	VT 100
Hotwire probe Ø 8mm, length 300 mm	●
Airflow cone	○
Calibration certificate*	●
Transport case	●

\*except class 100S

## Accessories (See related datasheet)

CE 100	K 35 - 75 - 120 - 150
Protective cover with magnet and holding system	Air flow cones (See related datasheet) 
BNF Hotwire cleaning spray 	RD 300 Hotwire extension / to be clipped / straight Ø 10 mm. length 300 mm 

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