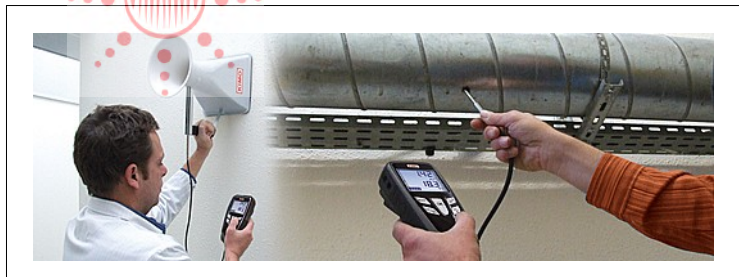




Calibration
certificate

Hotwire thermo-anemometer VT 100

New
CE



Functions

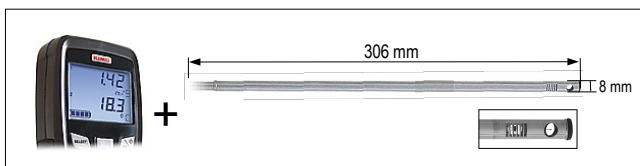
- Air velocity and ambient temperature
- Selection of units
- HOLD function
- Minimum and maximum values
- Automatic average
- Air flow calculation
- Adjustable automatic shut-off
- Adjustable backlight

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 alkaline 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

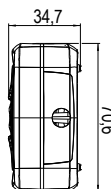


VT 100 - Standard hotwire

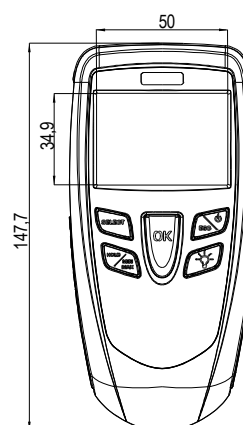


Dimensions

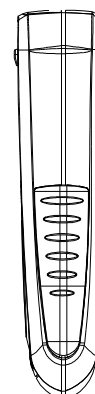
• Top view



• Front view



• Side view



Specifications

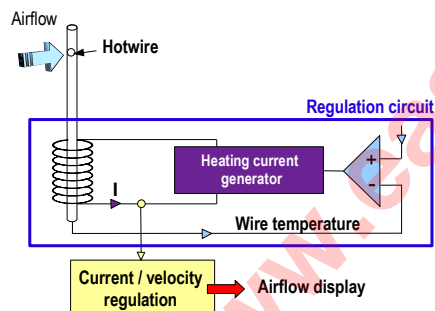
	Measuring units	Measuring ranges	Accuracy*	Resolutions
AIR VELOCITY (Hotwire)				
	m/s, fpm, Km/h	from 0.15 to 3 m/s from 3.1 to 30 m/s	$\pm 3\%$ of reading ± 0.05 m/s $\pm 3\%$ of reading ± 0.2 m/s	0.01 m/s 0.1 m/s
AIR FLOW				
	m ³ /h, cfm, l/s, m ³ /h	from 0 to 99999 m ³ /h	$\pm 3\%$ of reading ± 0.03 area(cm ²)	1 m ³ /h
AMBIENT TEMPERATURE				
	°C, °F	from -20 to +80°C	$\pm 0.4\%$ 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 \approx 100 Ω - for 100°C \approx 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 \varnothing 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	RD 300
Hotwire cleaning spray	Hotwire extension / to be clipped / straight \varnothing 10 mm. length 300 mm