

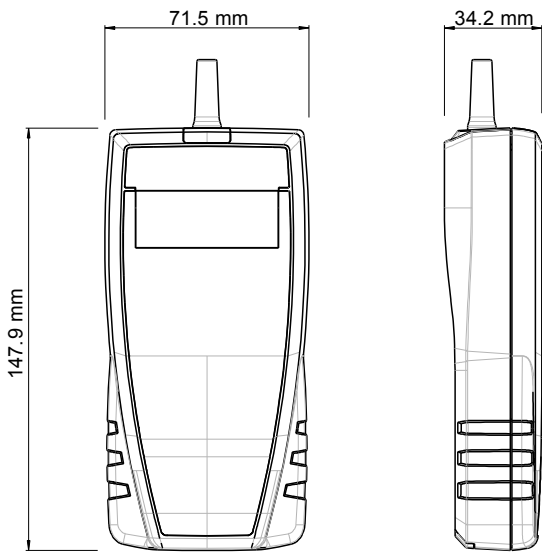
Hotwire Thermo-anemometer VT 50



KEY POINTS

- Easy to use
- HOLD function
- Hotwire probe
- Auto shut-off : 20 minutes

FEATURES OF THE HOUSING



Material : ABS

Protection : IP54

Display : 1 line
LCD 1 x 5 digits
Size : 50 x 20 mm

Height of digits :
Values : 9.2 mm
Units : 4.7 mm

Weight : 200 g (with batteries)



TECHNICAL FEATURES

Parameter	Temperature	Velocity
Measuring units	°C, °F	m/s, fpm, km/h
Measuring range	From -20 to +80 °C	From 0.15 to 30 m/s
Accuracy*	±0.3% of reading ±0.25°C	From 0.15 to 3 m/s : ±3% of reading ±0.05 m/s From 3.1 to 30 m/s : ±3% of reading ±0.2 m/s
Resolution	0.1 °C	From 0 to 3 m/s : 0.01 m/s From 3 to 30 m/s : 0.1 m/s
Response time	T90 = 1 s for $V_{air} = 1$ m/s	T63 = 6 s
Measuring elements	NTC	Thermistor with a negative temperature coefficient
Operating temperature	From 0 to +50 °C	
Storage temperature	From -20 to +80 °C	
Power supply	4 batteries AAA LR03 1.5 V	
Battery life	40 hours	
Conformity	Directives CEM 2004/108/CE and NF EN 61010-1	
➤ Hotwire probe		
Material probe	Stainless 316 L	
Dimensions	Ø 8 mm, length 300 mm	
Working temperature	From 0 to +50 °C	
Wire	PVC Ø 4.8 mm, length 2 m	

SUPPLIED WITH

Instruments are supplied with an adjustment certificate and a soft case.



ACCESSORIES

- Adjustment certificate
- Soft case
- Magnetic protective housing



MAINTENANCE

We carry out calibration, adjustment and maintenance of your instruments to guarantee a constant level of quality of your measurements. As part of Quality Assurance Standards, we recommend you to carry out a yearly checking.

GUARANTEE

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

USE OF THE INSTRUMENT



- **Before using the instrument with the hotwire probe, please lower the protection tube (1) of the sensing element.**
- **Always use the hotwire probe with the red point in front of flow.**

Take a measurement

- Switch on the instrument by pressing on « **On/Off/Hold** ».
The instrument displays its name « VT50 », then the measured value.
- Press briefly on « **Select** » to move from the velocity measurement to the temperature measurement.

Hold the measurement

During measurement:

- Press briefly on « **On/Off/Hold** » to hold measurement.
« Hold » appears on the screen and temperature and velocity measurements are fixed.
- Press briefly on « **Select** » to move from one parameter to the other.
- Press again briefly on « **On/Off/Hold** » to exit the Hold function.

Change the velocity unit

- Press briefly on « **Select** » up to display the velocity.
- Pressing longer on « **Select** » to change the velocity unit.
- Press briefly on « **Select** » to select the unit: m/s, fpm, km/h.
- Pressing longer on « **Select** » to validate unit and return to the normal measuring mode.

Change the temperature unit

- Press briefly on « **Select** » up to display the temperature.
- Pressing longer on « **Select** » to change the temperature unit.
- Press briefly on « **Select** » to select the unit : °C or °F.
- Pressing longer on « **Select** » to confirm unit and return to the normal measuring mode.

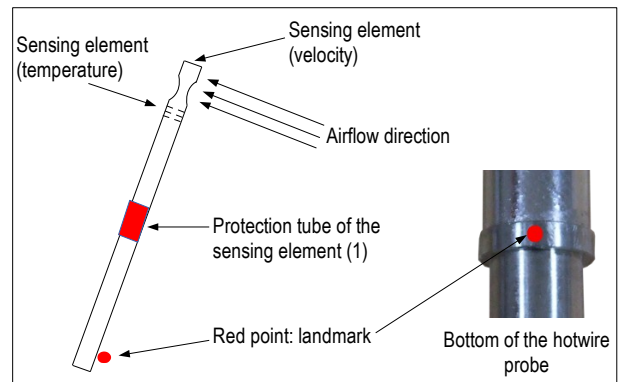
How to change batteries

- Remove the front part at the back of the instrument.
- Replace used batteries by new batteries AAA LR03 1.5 V.
- Replace the front.

Auto shut-off : the instrument switches off if not used during 20 minutes.



Once returned to KIMO, required waste collection will be assured in the respect of the environment in accordance to 2002/96/CE guidelines relating to WEEE.



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