



DATA SHEET

VT 50

Hotwire Thermo-anemometer



Easy to use



Hotwire probe



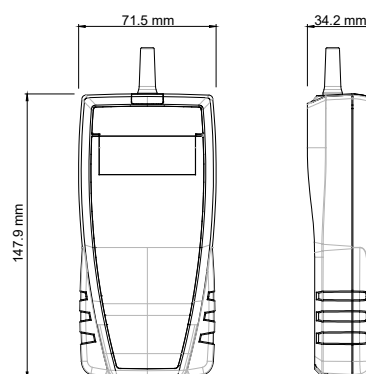
Hold function



Auto shut-off: 20 minutes

Features of housing

Material	ABS
Protection	IP54
Display	2 lines, LCD technology, 50 x 36 mm. 1 line of 5 digits with 7 segments (value) 1 line of 5 digits with 16 segments (unit)
Height of digits	Values: 9.2 mm. Units: 4.7 mm
Weight	200 g (with batteries)



Technical specifications

Parameter	Temperature	Air velocity
Measuring units	°C, °F	m/s, fpm, km/h
Measuring range	From -20 to 80 °C	From 0.15 to 35 m/s
Accuracy ⁽¹⁾	±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	$T_{90} = 1 \text{ s}$ for $V_{\text{air}} = 1 \text{ m/s}$	$T_{63} = 6 \text{ s}$
Measuring element	NTC	Thermistor with a negative temperature coefficient
Conditions of use (°C/%RH/m)	From 0 to +50 °C. In non-condensing conditions. From 0 to 2000 m.	
Storage temperature	From -20 to +80 °C	
Power supply	4 batteries AAA LR03 1.5 V	
Battery life	40 hours	
European directives	2014/30/EU EMC; 2014/35/EU Low Voltage; 2011/65/EU RoHS II; 2012/19/EU WEEE	

Hotwire probe

Probe material	Stainless 316 L
Dimensions	Ø 8 mm, 300 mm length
Working temperature	From 0 to 50 °C
Cable	PVC Ø 4.8 mm, 2 m length

⁽¹⁾ All the accuracies indicated in this technical datasheet were stated in laboratory conditions, and can be guaranteed for measurements carried out in the same conditions, or carried out with calibration compensation

Kit content

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

Accessories

Reference	Description
-	Calibration certificate
MT 51	Soft case
CQ 15	Magnetic protective housing



Only the accessories supplied with the device must be used.

Warranty

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

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.

Precautions for use:

Please always use the device in accordance with its intended use and within parameters described in the technical features in order not to compromise the protection ensured by the device.