

Mini Air HW PRO - VT50



Innovative Instrumentation Solutions
A unit of E Instruments Group LLC

Hand-Held Hot-Wire Thermo-Anemometer

Reliable and Accurate

Easy to Use

Display of 2
Parameters
Simultaneously

Protective Magnetic
Rubber Boot on
Request

Air Velocity

Airflow: Direct
Measuring with Cones

Pt100 Temperature
inside the probe

Hold Function

Min & Max Values

Unit Selection



The hot-wire, thermo-anemometer model Mini Air HW PRO is a portable, compact digital meter designed for simplicity and one-hand operation.

The hot-wire, thermo-anemometer is equipped with unique features such as a high stability, good repeatability and fast response in order to keep high accuracies of measurements at bad ambients. A thermistance with

negative temperature factor is used for air velocity measuring. Optional dedicated cones allow measuring the airflow. The ambient temperature is measured with a RTD Pt100.

The Mini Air HW PRO thermo-anemometer has its own dual display which continuously shows measurements, average, data hold, max. and min. values.

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Hotwire Thermo-Anemometer

USING

- Selection of the language: (with unit switched off) press and hold "OK". Then press "ON/OFF". Press "HOLD" to confirm English and press "SELECT" for French.
- To switch on, press "ON/OFF".
- To display the menu, press "SELECT". To scroll down the menu (average, cones, units), press "SELECT" until the menu required is displayed and confirm by pressing "OK".
- Menu "Average": when "start OK" is displayed, press "OK" to active the calculation of the average. To stop the calculation, press "OK". Then, the result is displayed. To start another calculation, press "OK".
- Menu "airflow with cones": by pressing "SELECT", select the type of cone and confirm by pressing "OK". The measure is displayed. To escape this menu, press "ESC".
- Units: by pressing "SELECT", scroll down the units available in air velocity and confirm by pressing "OK". Proceed the same way to validate the unit in temperature. To escape this menu, press "ESC".
- In each of these menus, you can display the Min. and Max. Values, by pressing "MIN/MAX". To come back to the measure in progress, press "ESC".
- You can hold the measure by pressing "HOLD" once. If you press "HOLD" once again, you come back to the previous menu.
- To switch off, press and hold "ON/OFF" for a few seconds.



SPECIFICATIONS

CONFORMITY : electromagnetic compatibility (norm NF EN 61326-1)
POWER SUPPLY : 1 Alkaline battery 9 V 6LR6
BATTERY LIFE: about 25h
AUTOMATIC SHUT-OFF : 30 min
WORKING ENVIRONMENT: Neutral gas
WORKING TEMPERATURE: 0 to 122°F
STORAGE TEMPERATURE: 0 to 122°F
DIMENSIONS : 5.7" x 3" x 1.3"
WEIGHT : 6.7 ounces
LANGUAGES AVAILABLE : French, English.
DISPLAY : 2 lines of 12 characters. Size 1.5" x 0.5".
HOUSING : Shock-proof, made of ABS/PC.
KEYPAD : Made of Elastomer : 5 keys.
MEASURING ELEMENTS :
 Hotwire anemometer: thermistance with negative temperature factor
 Ambient temperature: Pt100 class A
CABLE: straight, length 67"

ORDERING CODE

Mini Air HW PRO: 8362
 Protective rubber boot: EE880042

	Measuring Units	Measuring Ranges	Accuracy*	Resolution
Air Velocity	m/s, fpm	0 to 590 fpm 591 to 5900 fpm	±(3% rdg +12fpm) ±(3% rdg ±40fpm)	1fpm 40 fpm
Flow Rate	m ³ /h, cfm, l/s, m ³ /s	da 0 a 1177 cfm	±(3% rdg +6 cfm)	1 m ³ /s
Temperature	°C, °F, K	-4 a +176°F	±(2% rdg +0.6°F)	0.1°F

* Performed in laboratory conditions, all the above accuracies mentioned in this document will be guaranteed, provided that you use the calibration compensation data or identical calibration conditions.



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