



## ADA AeroTemp Anemometer User Manual

[Home](#) » [ADA](#) » ADA AeroTemp Anemometer User Manual 



**MEASUREMENT FOUNDATION**

**Operating manual**

**Anemometer**

**Model: AeroTemp**



**Manufacturer: ADAINSTRUMENTS**

**Address: [WWW.ADAINSTRUMENTS.COM](http://WWW.ADAINSTRUMENTS.COM)**

## Contents

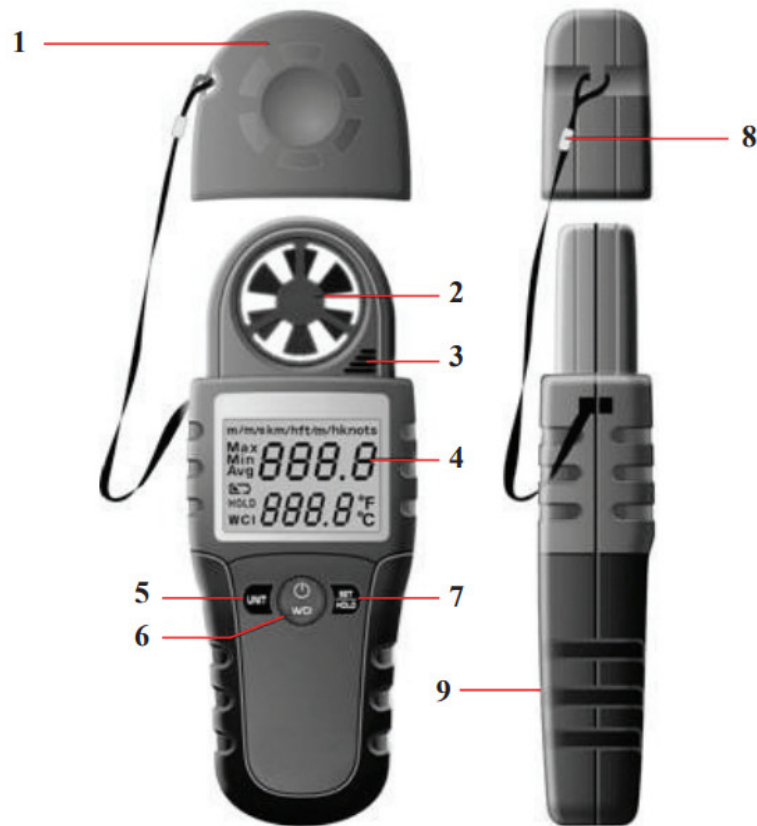
- 1 INTRODUCTION
- 2 ILLUSTRATION OF DISPLAY SCREEN
- 3 OPERATION INSTRUCTIONS
- 4 TROUBLE SHOOTINGS
- 5 TECHNICAL DATA
- 6 Warranty
- 7 Exceptions from responsibility
- 8 WARRANTY DOESN'T EXTEND TO FOLLOWING CASES:
- 9 WARRANTY CARD
- 10 Certificate of acceptance and sale
- 11 Documents / Resources
  - 11.1 References

## INTRODUCTION

ADA AeroTemp anemometer is a unit with high stability and advanced sensor technology. It is suitable for the measurement of air speed and temperature under normal ambient temperature. It is an ideal instrument in environmental monitor stations, hospitals, building air conditioning heating, ventilation test and calibrating

temperature. This model has the advantages of easy operation, rapid measurement, safe usage and portability. It has backlight LCD display and has the function of default parameters saved and measurement data maintained automatically which can avoid to reset for each power on.

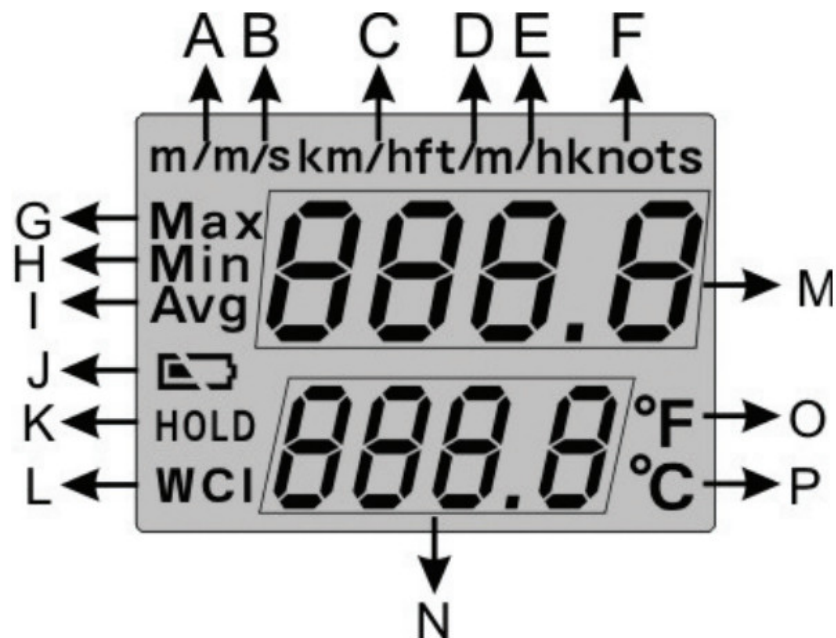
## APPEARANCE



1. Impeller protection cap
2. Impeller
3. Temperature measurement sensor parts
4. LCD screen
5. Temperature unit switch button UNIT
6. Power/ Wind chill button /WCI
7. Set//HOLD button;
8. Safety sling
9. Battery compartment

## ILLUSTRATION OF DISPLAY SCREEN

- A) Air speed unit: m/min
- B) Air speed unit: m/s
- C) Air speed unit: km/hr
- D) Air speed unit: ft/min
- E) Air speed unit: m/h
- F) Air speed unit: knots



- G) Maximum wind speed indicator
- H) Minimum wind speed indicator
- I) Average wind speed indicator
- J) Low battery display indicator
- K) Screen hold indicator
- L) Wind chill indicator
- M) Wind speed value
- N) Temperature value
- O) °F indicator
- P) °C indicator

## OPERATION INSTRUCTIONS

1. Unscrew the battery lid according to the arrows direction, remove insulation pad under the battery and place a CR2032 button battery according to the polarity indication, then put back the battery lid.
2. Press WCI button to power on the unit and the default status is wind speed and environment temperature measurement .
3. Wind speed measurement: pull out the impeller protection cap to make the fan vertical to wind direction. Current wind speed will be displayed on the up line of the screen.
4. Adjustment of wind speed display mode: in normal state, press SET/HOLD button to change display mode. Press each time to switch from real-time, MAX, MIN, AVG in turns and display corresponding signs and no sign indicator for real time mode.
5. Adjustment of wind speed unit: in normal state, press UNIT button, the wind speed unit flashes. then press SET/HOLD button to switch the units (m/m, m/s, km/h , ft/m, m/h, knots). Each press will make corresponding unit flashes. Press UNIT button twice to exit this mode. The units don't flash any more and return to normal state.
6. Adjustment of temperature unit: in normal state, press UNIT button twice continuously to enter this mode. At this time, the temperature unit flashes. Then press SET/HOLD button to switch between °F and °C. Each press can make corresponding temperature unit flashes. Press UNIT button again to exit this mode. The temperature units don't flash any more and return to normal state.
7. The screen hold function: in normal state, hold SET/HOLD button for 2 seconds to lock the screen content and "HOLD" sign appears. Press this button again to release lock and return to normal state.

Notes:

During hold period, if battery lack of power, low battery indicator will appear on the screen.

8. Environment temperature and wind chill temperature display: in normal state, environment temperature displayed in below line. Press /WCI button to display wind chill in below line and WCI sign. Press again to return to environment temperature display and WCI sign disappears.

**Note:** Wind chill is only used for the wind speed  $>1.34\text{m/s}$  ( $4.8\text{km/h}$ ).

9. **Power off the unit:** hold /WCI button for more than 2S to power off the unit.

## Operation notes

1. Please don't operate this product unless the manual has been read.
2. To ensure the accuracy, pull out the impeller protection cap before use and make sure the sensor fully contact with the measured environment and the fan be vertical to the wind direction.
3. Please don't make pressure to the two sides of the impeller to avoid harming the impeller axle and affect the measurement accuracy.
4. The low battery indication will appear on the screen when lack of power.
5. Backlight off after 15s: the backlight off if no action in 15s.
6. Power off after 5 minutes: the unit will power off automatically in about 5 minutes if no action and the impeller stops running.
7. Parameters memory function setting: after setting the parameter, it stores automatically. Next power-on, it measures as the last set parameters.
8. Don't immerse the product into liquid.
9. Don't make the unit close to the magnet.
10. To avoid damages to the instrument, do not use it near following places:
  - a) Environment has vapor and dust;
  - b) EMF places (Electro-magnetic fields: such as arc welders, induction heaters)
  - c) Static environment

## Battery Safety Instructions



- Please remove the batteries when clean the product.
- Remove the batteries before long term storage
- Please install the batteries properly as the instructions of the positive and negative charges
- Please dispose the waste batteries properly. High temperature will cause explosions and do not burn the batteries. Strap insulated tape around the battery charges to avoid unsafe contacts with other objects. Many countries have regulations about the batteries disposing. Please follow the local regulations of battery disposing.

## Cautions

- Handle with care and do not let the unit drop down.
- Do not disassemble the unit to avoid failure.
- Please put back the impeller protection cap when not in use.
- Do not place the unit together with corrosive gases or objects.

- Please keep clean and keep away from water.
- Avoid dust and water, which may stain the unit.
- Don't immerse the product into water, which will result in damage to product.
- Please remove the battery, if it is not for use for a long time.

## TROUBLE SHOOTINGS

Problems	Causes	Solutions
No display on the screen	Battery runs down	Check and replace the battery
 Show “  ” sign	Low battery	Replace the battery

## TECHNICAL DATA

Measuring range (temperature)	0°C-50°C
Measuring range (wind speed)	0.4-30.0 m/s 80-5910 ft/min
Measuring accuracy (temperature)	±1.2°C
Measuring accuracy (wind speed)	±(3%+0.2 m/s), ±(3%+40 ft/min)
Resolution: temperature	0.1°C
Wind speed	0.1m/s lft/min
Wind speed response time	<2s
Backlight off time	About 15s
Automatic off	About 5 minutes
Power supply	CR2032
Working current	Backlight light on<10mA; No backlight <3mA
Standby current	<150uA
Operating temperature	0°C-50°C
Working humidity	5%-95%RH non-condensing
Storage Condition	-30-60°C <85% RH (w/o batteries)
Size	148 mm x 53 mm x 22 mm
Weight	About 78.5g (w/o batteries)

## Warranty

This product is warranted by the manufacturer to the original purchaser to be free from defects in material and workmanship under normal use for a period of two (2) years from the date of purchase. During the warranty period, and upon proof of purchase, the product will be repaired or replaced (with the same or

similar model at manufactures option), without charge for either parts of labour.

In case of a defect please contact the dealer where you originally purchased this product. The warranty will not apply to this product if it has been misused, abused or altered. Without limiting the foregoing, leakage of the battery, bending or dropping the unit are presumed to be defects resulting from misuse or abuse.

## **Exceptions from responsibility**

The user of this product is expected to follow the instructions given in operators' manual.

Although all instruments left our warehouse in perfect condition and adjustment the user is expected to carry out periodic checks of the product's accuracy and general performance.

The manufacturer, or its representatives, assumes no responsibility of results of a faulty or intentional usage or misuse including any direct, indirect, consequential damage, and loss of profits.

The manufacturer, or its representatives, assumes no responsibility for consequential damage, and loss of profits by any disaster (earthquake, storm, flood ...), fire, accident, or an act of a third party and/or a usage in other than usual conditions.

The manufacturer, or its representatives, assumes no responsibility for any damage, and loss of profits due to a change of data, loss of data and interruption of business etc., caused by using the product or an unusable product.

The manufacturer, or its representatives, assumes no responsibility for any damage, and loss of profits caused by usage other than explained in the users' manual.

The manufacturer, or its representatives, assumes no responsibility for damage caused by wrong movement or action due to connecting with other products.

## **WARRANTY DOESN'T EXTEND TO FOLLOWING CASES:**

1. If the standard or serial product number will be changed, erased, removed or will be unreadable.
2. Periodic maintenance, repair or changing parts as a result of their normal runout.
3. All adaptations and modifications with the purpose of improvement and expansion of normal sphere of product application, mentioned in the service instruction, without tentative written agreement of the expert provider.
4. Service by anyone other than an authorized service center.
5. Damage to products or parts caused by misuse, including, without limitation, misapplication or negligence of the terms of service instruction.
6. Power supply units, chargers, accessories, wearing parts.
7. Products, damaged from mishandling, faulty adjustment, maintenance with low-quality and non-standard materials, presence of any liquids and foreign objects inside the product.
8. Acts of God and/or actions of third persons.
9. In case of unwarranted repair till the end of warranty period because of damages during the operation of the product, its transportation and storing, warranty doesn't resume.

For more information you can visit our website [WWW.ADAINSTRUMENTS.COM](http://WWW.ADAINSTRUMENTS.COM) or write the letter with your questions on [info@adainstruments.com](mailto:info@adainstruments.com)

## **WARRANTY CARD**

Name and model of the product \_\_\_\_\_

Serial number \_\_\_\_\_ date of sale \_\_\_\_\_

Name of commercial organization \_\_\_\_\_ stamp of commercial organization

Warranty period for the instrument exploitation is 24 months after the date of original retail purchase.

During this warranty period the owner of the product has the right for free repair of his instrument in case of manufacturing defects.

Warranty is valid only with original warranty card, fully and clear filled (stamp or mark of the seller is obligatory).

Technical examination of instruments for fault identification which is under the warranty, is made only in the authorized service center.

In no event shall manufacturer be liable before the client for direct or consewuential damages, loss of profit or any other damage which occur in the result of the instrument outage.

The product is received in the state of operability, without any visible damages, in full completeness. It is tested in my presence. I have no complaints to the product quality. I am familiar with the conditions of qarranty service and i agree.

purchaser signature \_\_\_\_\_

Before operating you should read service instruction!

If you have any questions about the warranty service and technical support contact seller of this product

## Certificate of acceptance and sale

№ \_\_\_\_\_

name and model of the instrument

Corresponds to \_\_\_\_\_ designation of standard and technical requirements

Data of issue \_\_\_\_\_

Stamp of quality control department


Price

Sold \_\_\_\_\_ name of commercial establishment



Date of sale \_\_\_\_\_



## Documents / Resources

	<a href="#">ADA AeroTemp Anemometer</a> [pdf] User Manual AeroTemp Anemometer, AeroTemp, Anemometer
---	--

## References

-  [ADA Instruments](#)
-  [ADA Instruments](#)
- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.