



ADA instruments AeroPipe Thermo Hygrometer Instruction Manual

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ADA instruments AeroPipe Thermo Hygrometer



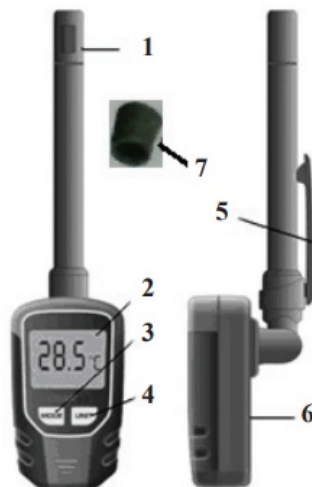
Manufacturer: ADAINSTRUMENTS

Address: WWW.ADAINSTRUMENTS.COM

INTRODUCTION

ADA Aero Pipe thermo hygrometer adopts the digital sensor with high accuracy. It has the features of high accuracy, fast speed and good stability. It professionally measures the ambient humidity and temperature, wet bulb and dew point temperature, GPP and Enthalpy function. ADA Aero Pipe thermo hygrometer is widely used in multiple applications: food storage and transport, antique preservation, file management, building material experiment, agriculture, forestry, stock raising, building inspection, medical hot zone, pipe/HVAC system repair, etc.

APPEARANCE




1. Thermo-hygro sensor
2. LCD screen
3. Mode button

4. Unit switch button
5. The hanging buckle
6. Battery cover
7. Probe locating base

ILLUSTRATION OF DISPLAY SCREEN



- **RH** Relative humidity indicator
- **TEMP** Temperature indicator
- **DEW** Dew point indication
- **WET** Wet bulb indicator
- **MIX** Mix ratio indicator
- **ENTH** Enthalpy value indicator
- **GPP** Mix ratio unit
- **g/kg** Mix ratio unit
- **kJ/kg** Enthalpy value metric unit
- **BTU/lb** Enthalpy value British unit
- **°F** Fahrenheit
- **°C** Celsius
-  Low battery indicator

OPERATION INSTRUCTIONS

1. Open the battery lid, place 3xAAA batteries in the battery compartment and put back the battery lid. The unit will power on automatically.
2. Press the mode button to switch the display mode, press the unit switch button to switch among the units.
3. Keep pressing the mode button to power off the unit. Press any button to power on the unit.
4. The unit will auto power off if no action in 2 minutes.
5. Please replace the battery if low battery indicator shows on the display.

Operation Notes

1. Please don't operate this product unless the manual has been read.
2. To assure accuracy, remove the protection cap and make sure the sensor is fully exposed before taking any measurement.
3. Remove the battery before long term storage. Keep the sensor apart away from water or any kind of liquid.

4. To assure accuracy after calibration, do not expose the sensor in saturated environment for long time.
5. To avoid damages to the instrument, do not operate near following places:
 - Vapor and dusty places
 - EMF places (Electro-magnetic fields: such as arc welders, induction heaters)
 - Static environment
 - Heat shock (caused by great and sudden temperature change, wait for 30 minutes until the unit is stabilized before any operation).


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 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

- Don't drop the product or use by force.
- Don't disassemble the product to avoid failure.
- Close the protection cap when not in use.
- Don't place the product with corrosive gas or objects.
- Keep the unit dry and clean.
- Avoid dust and water, which may stain the unit.
- Don't immerse the product into water, which will result in damage to product..
- Check the battery regularly to avoid to go bad.
- 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

Temperature	Measuring Range	-20°C~70°C
	Resolution	0.1°C
	Measuring accuracy	±1.0°C (-10 to 40°C); ±1.8°F (14 to 104°F); ±2.0°C (-20 to -10 and +40 to 70°C); ±3.6°F (-4 to +14 and 104 to 158°F)

Humidity	Measuring Range	0-100%RH
	Resolution	0.1%RH
	Measuring accuracy	±3%(20 to 80%); ±3.5% (0 to 20% and 80 to 100%)
Dew point temperature	Yes	
Wet bulb temperature	Yes	

GPP	Yes
Enthalpy value	Yes
Power Resource	3xAAA batteries
Auto Power off	no action in 2 minutes
Operating temperature	-20°C~70°C
Working humidity	0~100% RH non-condensing
Storage Condition	-20°C~70°C; <85% RH (w/o battery)
Size	80mm (with probe 209mm)×47mm×47mm
Weight	About 63 g (w/o battery)

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 or labor.
- 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 run out.
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 or write the letter with your questions on 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 consequential 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 warranty 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 _____ Date of sale _____
name of commercial establishment

Documents / Resources



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AeroPipe, Thermo Hygrometer, Hygrometer, AeroPipe, meter

References

- [ADA Instruments](#)
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