

## DIGITAL THERMO-HYGROMETER

### User's Manual

- Thank you for your purchase.
- Read this User's Manual before using this product.
- Keep this User's Manual for future reference.
- This User's Manual is for the following product.  
Digital Thermo-Hygrometer (AOC276K/AOC276W)

- \* The temperature and humidity display shown on this product cannot be used for commercial trading or certification.
- \* This product is for indoor use. It may not display correctly if left in sunlight.
- \* This product displays the temperature and humidity of the location it is placed in. It differs from the temperature and humidity reported by the weather forecast on TV etc.

<Accessories>	
User's Manual	(1)
Button-type Lithium Battery (CR2032)	(1)
Stand	(1)

User's Manual Serial Number FAOC-276A



This product complies with the EMC requirements of the European Community.



The symbol on the product, packaging, and/or accompanying document indicates that this product should not be disposed with normal household waste. This product shall be taken to the applicable collection point for recycling. The correct disposal of your old product will help prevent potential negative consequences for the environment and human health. For more information about recycling of this product, please contact the shop where you purchased the product, or your local authority.



This symbol on the battery or on the packaging indicates that the battery provided with this product shall not be treated as household waste. Please inform yourself about the local rules on separate collection of batteries. The correct disposal of batteries helps to prevent potentially negative consequences for the environment and human health.

### These instructions must be followed. Safety Advice ▶

- If the content displayed is ignored and the product is used incorrectly, the degree of injury or damage that may arise is classified and explained with the following symbols.
- ⚠ **WARNING:** indicates failure to follow instruction could result in serious injury.
- ⚠ **CAUTION:** indicates failure to follow instruction could result in minor injury or damage to property.
- ❗ **COMPULSORY:** Actions that must be carried out without fail.    ⚡ **PROHIBITED:** Actions that are prohibited.

### Warning

#### <About the Button-type Lithium Battery>

- ⚡ Do not short-circuit, disassemble, heat or expose to fire.
- ❗ This battery contains combustible materials such as lithium and organic solvents which may lead to fire, heating up or explosion. Please keep the battery out of reach of children. If it is swallowed, please consult a doctor immediately.
- ❗ When disposing or storing the battery, please insulate with tape. If mixed with other metals or batteries, it may lead to fire or explosion.
- ❗ Please hold the battery on its side. Causing the battery to short circuit on its ⊕ ⊖ side is dangerous.

#### <About the LCD Panel>

In the case that the LCD panel breaks, please be careful of the glass and liquid crystal.  
If any of the following situation arises, please take emergency action as indicated.

- ❗ If any of the residue becomes attached to the skin, please wipe it off, rinse with water and wash well with soap.
- ❗ If it gets into the eye, please wash it out well with clean water, wash well for at least 15 minutes and then immediately consult a doctor.
- ❗ In the case that it is swallowed, please rinse out the mouth well with clean water. After drinking a large volume of water and spitting out, immediately consult a doctor.

#### <How to Avoid Accidents of Children Swallowing the Battery>

- ⚡ Please keep the battery cover and button-type lithium battery out of reach of small children.  
If it is swallowed, please consult a doctor immediately.

#### <About the Plastic Packaging>

- ⚡ Must not cover face with plastic packaging.

Please make sure that you read these instructions before usage.

### For Proper Use/ Maintenance ▶

### Caution

- ⚡ Do not throw or subject the product to strong impact. This may cause malfunction.
- ⚡ Do not spray with insect repellent or use next to insecticide. Depending on the type of insect repellent, deformation or malfunction may result.
- ❗ When closing the battery cover, use a coin to make sure it is completely closed by lining up the [•] mark of the battery cover with the [CLOSE •] mark on the main unit. If it is not closed completely, the battery may fly out causing injury.
- <For Proper Use>
- ⚡ If the product falls over, this may result in injury or damage to the product. Therefore, please do not place the product in locations that vibrate or are unstable.
- ⚡ Please avoid usage in the following locations as the quality of the product or battery will deteriorate, causing a decrease in accuracy and shortened battery life.
  - Locations where the temperature is lower than -10°C (10 degrees below zero) (+14°F)
  - Locations where the temperature exceeds +50°C (50 degrees) (+122°F) or outside in places exposed to sunlight or near heating or other apparatus with hot blasts or flames.
  - Locations with humidity, such as in a bathroom, and places where the product may come in direct contact with water or steam such as humidifiers.
  - This product is not suitable for outdoor use. Also, this product is not waterproof. Be careful not to expose contact with rain or water.
  - Locations with a strong magnetic field or vibration. In unstable places.
  - In locations close to where there is radio wave noise.
  - Locations such as factories or kitchens where large quantities of oil are used.
  - In dusty places.
  - On walls or mats made from plastic. This may cause damage or soiling to walls, mats or the clock.

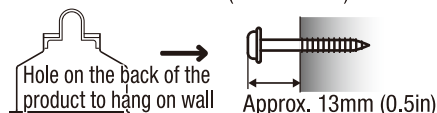
#### <Instructions for Hanging>

- ❗ When hanging the product on the wall, make sure it is securely fastened. If the product falls, it may cause injury or damage to property.  
After checking the location, the material and structure of the wall, choose an appropriate fixture that will hold the weight of the product.
- \* When hanging the product on the wall fixture, check that it is positioned correctly by lightly moving it back and forth, left to right, up and down.

#### Hanging on a thick wooden wall or pillar

Please use a wood screw that is sold commercially.

- \* Recommended size: ⊕ wood screw nominal diameter 4.1mm x 25mm (0.2in x 1.0in)



#### Hanging on a wall or pillar made of materials other than that listed on the left such as plasterboard or concrete.

Please use appropriate tools sold commercially that are suitable for the wall material you wish to hang the product.

#### <About the button-type lithium battery>

- ❗ Please insert the ⊕ and ⊖ ends correctly.
- ❗ Even if the product is still working with batteries that have passed their expiration date printed on the batteries, please replace all of them with new batteries. Also do not leave old batteries in the product as there is the danger that liquid leaking from the old battery will damage or soil the product or the surroundings.
- ⚡ This battery is not rechargeable, so by recharging it, may cause it to leak and damage. Please do not recharge.
- ❗ Please avoid storing in places with direct sunlight, high heat or high humidity.
- ❗ After removing the old batteries, please dispose them as soon as possible.

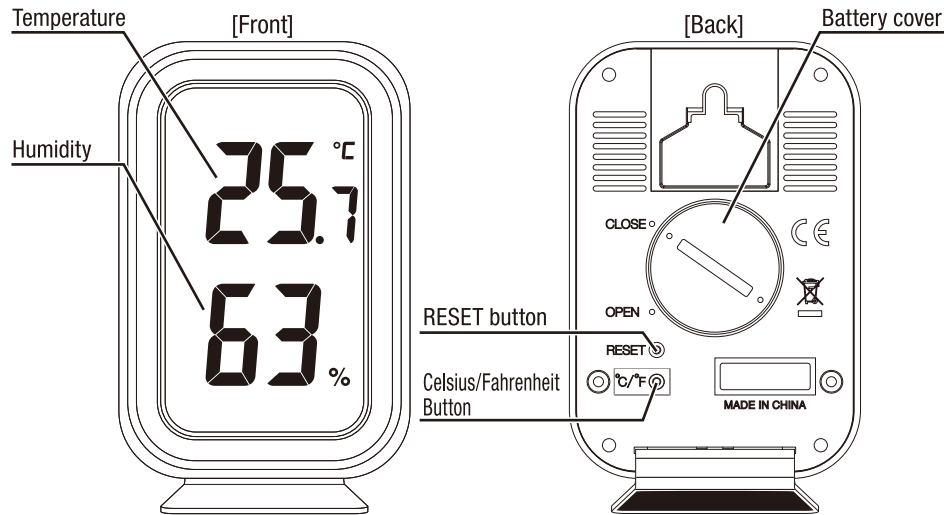
#### <Maintenance>

- Do not use benzine, thinner, alcohol, polishing powder or any kind of brush to clean the product. Do not expose it to insecticide or hair spray. This may cause discoloration or marks.
- When wiping the frame, use a soft damp cloth.
- If the product is very dirty, wipe off a little at a time with a soft cloth wet with mild detergent diluted in water, and after that wipe dry.
- \* It is very dangerous if you disassemble the product, as this may cause injury or result in the product being irreparable.

#### <Disposal of the product and batteries>

- Please dispose of in accordance with the regulations of your local government area.
- Please dispose the product and batteries separately.

## Part Names ▶



## ■ Specifications

- Temperature Measurement Range: 0°C to +40°C(+32°F to +104°F) Measurement range within an accuracy of  $\pm 2^\circ\text{C}/\pm 3.6^\circ\text{F}$
- Humidity Measurement Range: 20%RH to 90%RH (Measurement range within an accuracy of  $\pm 8\%$  when the temperature is at  $+25^\circ\text{C}/+77^\circ\text{F}$ )
- Temperature/Humidity Measurement Interval: Approx. once every 16 seconds
- Display: Temperature of surrounding area (Interchangeable between  $^\circ\text{C}/^\circ\text{F}$ ), humidity (%)
- Batteries: 1 Button-type Lithium Battery (CR2032)
- Battery life: Approx. 1 year
- Usable temperature range:  $-10^\circ\text{C}$  to  $+50^\circ\text{C}$ ( $+14^\circ\text{F}$  to  $+122^\circ\text{F}$ ) (However, the readable temperature range is  $0^\circ\text{C}$  to  $+40^\circ\text{C}$ ( $+32^\circ\text{F}$  to  $+104^\circ\text{F}$ ))
- Size, Weight: Approx. 55mm wide x 52mm long x 88mm high/ 2.2in wide x 2.0in long x 3.5in high (with stand) Approx. 74g/ 0.16lb (incl. batteries)
- Size, Weight: Approx. 55mm wide x 41mm long x 83mm high/ 2.2in wide x 1.6in long x 3.3in high (without stand) Approx. 63g/ 0.14lb (incl. batteries)
- Main materials: ABS resin, Stainless steel
- \* Product specifications are subject to change without prior notice.

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- \* This product is for indoor use. It may not display correctly if left in sunlight.
- \* This product displays the temperature and humidity of the location it is placed in. It differs from the temperature and humidity reported by the weather forecast on TV etc.

## About the temperature/humidity display ▶

- The sensor is located inside the main unit so it may take time for the display to change even if the temperature of the surrounding area changes.
- The temperature/humidity display will show the following in the situations below.
  - **Temperature** Below  $-30^\circ\text{C}$ ( $-22^\circ\text{F}$ ): [Lo] Above  $+60^\circ\text{C}$ ( $+140^\circ\text{F}$ ): [HI]
  - **Humidity** Below 20%: [Lo] Above 90% [HI]
- \* However, the humidity display will show [—] when the temperature is outside of  $0^\circ\text{C}$  to  $+60^\circ\text{C}$ ( $+32^\circ\text{F}$  to  $+140^\circ\text{F}$ ) temperatures.

### <About the LCD Panel>

- Depending on the direction from which you look at it, the display may appear faint or uneven.
- If the temperature drops, there are cases when the response of the liquid crystal display becomes slow.
- If the temperature rises, there are cases when the response of the liquid crystal display becomes dark and it is not possible to read it properly.
- In the following cases, as a result of static electricity or the application of pressure, black lines, spots or stripes may appear but this is not a malfunction.
  - When wiping with a dry cloth
  - When pressing the LCD panel with your fingers

## How to Use ▶

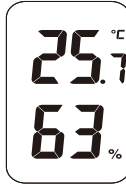
### ■ Using the Thermo-hygrometer

#### • Please insert the batteries. (1 Button-type lithium battery CR2032)

- (1) Open the back battery cover
  - Using a coin, turn the battery cover in the direction of the arrow so that the [•] mark lines up with the [OPEN •] mark, and remove the cover.
- (2) Insert the battery, making sure the  $\oplus \ominus$  is correctly placed.
  - Insert the battery with the  $\oplus$  side facing you where you can see it.



- (3) Close the battery cover completely.
  - Use a coin to turn the battery cover in the direction of the arrow, until the [•] mark lines up with the [CLOSE •] mark.
- (4) Press the RESET button.
  - Make sure to press the RESET button after changing batteries.
  - The temperature and humidity will show on the liquid display panel.



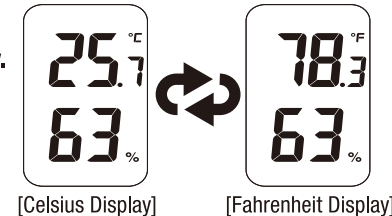
\* When removing an old battery, if it is difficult to remove, insert a thin insulated stick such as a toothpick into the A part, and remove the battery.



### ■ Changing between Celsius/Fahrenheit Display

It is possible to change between Celsius and Fahrenheit display.

- Each time you press the "Celsius/Fahrenheit Button" once, the display will change between Celsius and Fahrenheit.
- \* After changing batteries and pressing the RESET button, the display will be in Celsius. Please change the settings again to display in Fahrenheit.



### ■ Where to Place

Please place in an area with good circulation.

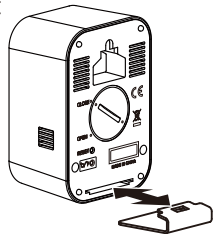
- \* If placed in an area where there is little air circulation or no ventilation, it will take time for the display to change.
- Avoid placing in areas with direct sunlight, near cooling/heating appliances, humidifiers or dehumidifiers.

### ■ Caution

- This product has a built-in micro computer. It is possible that the display or other function may not work properly due to static electricity. This is not a malfunction. Please press the RESET button.
- After changing batteries, make sure to press the RESET button.

### ■ Hanging the product

- By removing the attached stand, it can be hung up on the wall.
- \* Please keep the removed stand in a place where you will not lose it.
- When using it free-standing, make sure the stand is securely inserted into the slot at the back.



\* For detailed information, please read the ⚠ Caution notes under "For Proper Use" and "Instructions for Hanging"

## Trouble Shooting ▶

When the product does not function properly, please consult the table below.  
When changing to a new battery, please check the expiry date of the battery before use.

Problem	Cause	Solution
The display is not showing	<ul style="list-style-type: none"> <li>• Battery is not inserted.</li> <li>• Battery is low</li> <li>• The battery is not inserted the right way round.</li> <li>• It has not been reset properly.</li> </ul>	<ul style="list-style-type: none"> <li>• Insert new specified batteries checking that they are facing in the right direction and press the RESET button.</li> <li>• Insert the batteries again correctly and then be sure to press the RESET button.</li> </ul>
The display is missing segments	<ul style="list-style-type: none"> <li>• Battery is low</li> <li>• It has not been reset properly.</li> <li>• Abnormal operation due to e.g. static electricity.</li> </ul>	<ul style="list-style-type: none"> <li>• Insert new specified batteries checking they are facing in the right direction and press the RESET button.</li> <li>• Insert the batteries again correctly and then be sure to press the RESET button.</li> </ul>
The temperature/humidity doesn't change	<ul style="list-style-type: none"> <li>• It is located in an area where there is no air circulation.</li> </ul>	<ul style="list-style-type: none"> <li>• Please check the changes after moving it to a place with good wind flow.</li> </ul>