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› Soonkoda S8606 3-in-1 Handheld Anemometer User Manual

Soonkoda S8606

Soonkoda S8606 3-in-1 Handheld Anemometer User Manual

Model: S8606 | Brand: Soonkoda

1. INTRODUCTION

Thank you for choosing the Soonkoda S8606 3-in-1 Handheld Anemometer. This device is designed for accurate measurement of wind speed, wind temperature, and wind level. It is suitable for various applications including electric power, steel, petrochemical, aviation, fan manufacturing, duct ventilation systems, and underground warehouses. Please read this manual thoroughly before use to ensure proper operation and to extend the lifespan of your device.

2. SAFETY INFORMATION

- Do not expose the device to extreme temperatures, humidity, or direct sunlight.
- Avoid strong impacts or dropping the device.
- Keep the device away from strong magnetic fields.
- Do not attempt to disassemble or modify the device, as this will void the warranty.
- Ensure batteries are inserted with correct polarity. Remove batteries if the device will not be used for an extended period.
- Dispose of used batteries and the device according to local regulations.

3. PACKAGE CONTENTS

- Soonkoda S8606 Handheld Anemometer
- 3 x AAA Batteries
- User Manual

4. PRODUCT OVERVIEW

Familiarize yourself with the components and display elements of your anemometer.



Figure 4.1: Front view of the S8606 Anemometer with key components labeled, including the high sensitivity fan, LCD display, and control buttons. Dimensions are approximately 150mm height and 52mm width.

4.1. Device Components

1. **High Sensitivity Fan:** Measures wind speed.
2. **LCD Display:** Shows wind speed, temperature, and other indicators.
3. **UNIT Button:** Cycles through wind speed units (m/s, Km/h, Kts, ft/s, mph).
4. **Backlight/Data Hold Button:** Toggles backlight (short press) or holds current data (long press).
5. **Power Button:** Turns the device ON/OFF.
6. **RANGE Button:** Cycles through MAX, MIN, and AVG wind speed readings.
7. **°C/°F Button:** Toggles between Celsius and Fahrenheit for temperature, and also cycles to wind level display.
8. **Battery Compartment:** Located on the back for AAA battery installation.

4.2. LCD Display Indicators



Figure 4.2: Detailed view of the LCD display and its various indicators.

1. Wind speed numerical display
2. Unit of wind speed (m/s, Km/h, Kts, ft/s, mph)
3. Maximum value indicator (MAX)
4. Minimum value indicator (MIN)
5. Mean (Average) value indicator (AVG)
6. Wind level and wind temperature display
7. Temperature unit ($^{\circ}\text{C}/^{\circ}\text{F}$)
8. Low battery symbol
9. Backlight symbol
10. Data retention symbol (HOLD)

5. SETUP: BATTERY INSTALLATION

The Soonkoda S8606 Anemometer requires 3 AAA batteries (included) for operation.

1. Locate the battery compartment cover on the back of the device.
2. Slide the cover downwards to open the compartment.
3. Insert 3 AAA batteries, ensuring correct polarity (+/-) as indicated inside the compartment.
4. Replace the battery compartment cover by sliding it upwards until it clicks into place.
5. Before first use, gently peel off any protective film from the LCD screen.



Figure 5.1: Battery compartment with batteries installed.

6. OPERATING INSTRUCTIONS

6.1. Power ON/OFF

- Press the **Power Button** () to turn the device ON. The LCD will perform a self-check and then display current readings.
- Press the **Power Button** again to turn the device OFF.
- The device features an automatic power-off function to conserve battery life if inactive for a period.

6.2. Changing Wind Speed Units

- Press the **UNIT Button** to cycle through the available wind speed units: meters per second (m/s), kilometers per hour (Km/h), knots (Kts), feet per second (ft/s), and miles per hour (mph).

Eight blades + sensor

Highly sensitive blades and sensors for fast response time and more accurate data acquisition



Removable battery compartment

Low power consumption design, long-term battery life, easy to replace



Figure 6.1: Display cycling through various wind speed units.

6.3. Backlight and Data Hold

- **Backlight:** Short press the **Backlight/Data Hold Button** () to turn the LCD backlight ON or OFF.
- **Data Hold:** Long press the **Backlight/Data Hold Button** to freeze the current reading on the display. The "H" symbol will appear. Long press again to exit Data Hold mode.

6.4. MAX/MIN/AVG Readings

- Press the **RANGE Button** to cycle through Maximum (MAX), Minimum (MIN), and Average (AVG) wind speed readings.
- The corresponding indicator (MAX, MIN, or AVG) will appear on the LCD.

6.5. Temperature and Wind Level Display

- Press the **°C/°F Button** to switch between Celsius (°C) and Fahrenheit (°F) for temperature display.
- A third press of the **°C/°F Button** will display the current wind level according to the Beaufort scale.

6.6. Operational Demonstration Video

Watch this video for a visual guide on operating the Soonkoda S8606 Anemometer, including power functions, unit changes, and data hold features.



Video 6.1: Demonstration of the Soonkoda S8606 Anemometer's basic functions and display modes.

7. WIND SCALE REFERENCE (BEAUFORT SCALE)

The device can display wind levels based on the Beaufort scale. Refer to the table below for interpretation.

Wind scale indicator			
Wind scale	Name	Wind speed (m/s)	Terrestrial phenomenon
0	calm	0.0-0.2	Quiet, smoke straight up
1	Soft air	0.3-1.5	Smoke direction
2	Light breeze	1.6-3.3	Feel the wind
3	breeze	3.4-5.4	unfurl
4	Japanese	5.5-7.9	Dust up
5	Fresh breeze	8.0-10.7	The little tree swayed
6	gale	10.8-13.8	Wire sound
7	Strong wind	13.9-17.1	dysphoria
8	gale	17.2-20.7	Break a branch
9	Fierce wind	20.8-24.4	Small damage building
10	Fierce wind	24.5-28.4	Number of plucks
11	squall	28.5-32.6	Major damage
12	hurricane	>32.7	Destruction maximum

Figure 7.1: Beaufort Wind Scale for interpreting wind levels.

Beaufort Wind Scale

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Feature	Detail
Model	S8606
Wind Speed Measuring Range	0.06 ~ 30.0 m/s
Wind Speed Units	m/s, Km/h, Kts, ft/s, mph
Wind Temperature Range	-10°C to 70°C (14°F to 158°F)
Wind Level	Beaufort Scale 1-12
Display	Liquid Crystal Double Line Display
Functions	MAX/MIN/AVG, Data HOLD, Backlight, Auto Power Off, Low-battery indicator
Power Supply	3 x AAA Batteries
Material	Acrylonitrile Butadiene Styrene (ABS)
Dimensions (Approx.)	150mm x 52mm (as per diagram)
UPC	763214480319

9. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Low or dead batteries; incorrect battery installation.	Replace batteries with new ones, ensuring correct polarity.
Inaccurate readings.	Fan obstructed; device not held correctly in airflow; sensor dirty.	Ensure the fan is clear of obstructions. Hold the device directly into the airflow. Clean the fan and sensor area gently.
Display is dim or flickering.	Low battery.	Replace batteries.
Data Hold function not working.	Incorrect button press.	Ensure a long press is used for Data Hold. A short press toggles the backlight.

10. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the device. Do not use abrasive cleaners or solvents.
- **Storage:** Store the device in a cool, dry place away from direct sunlight when not in use. Remove batteries if storing for extended periods.
- **Fan Care:** Keep the fan blades free from dust and debris to ensure accurate readings. Do not force the fan to spin.

11. WARRANTY AND SUPPORT

Soonkoda products are designed for reliability and performance. For warranty information or technical support, please refer to the contact details provided with your purchase or visit the official Soonkoda website. Please retain your proof of purchase for warranty claims.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Answered questions about this manual

Is there a constant-on feature for the Soonkoda S8606 anemometer to prevent it from turning off automatically?

Based on the user manual for the Soonkoda S8606, the device includes an automatic power-off function designed to conserve battery life when the meter is inactive. The manual does not explicitly list a procedure...

[Read full answer](#)