

AcuRite 00256M

AcuRite 00256M Portable Anemometer with Inspection Light User Manual

Model: 00256M | Brand: AcuRite

1. INTRODUCTION

The AcuRite 00256M Portable Anemometer is a versatile device designed to provide essential environmental readings. It measures real-time wind speed, temperature, humidity, and altitude, along with calculated values like wind chill and heat index. This manual will guide you through the setup, operation, and maintenance of your device to ensure optimal performance.

2. PACKAGE CONTENTS

- AcuRite 00256M Portable Anemometer
- Instruction Manual

3. SETUP

3.1 Battery Installation

The device requires 3 AAA batteries (not included).

1. Locate the battery compartment on the back of the unit.
2. Use a small Phillips head screwdriver to open the battery cover.
3. Insert 3 AAA batteries, ensuring correct polarity (+/-).
4. Replace the battery cover and secure it with the screw.

3.2 Initial Power-On

Press the red power button once to turn on the device. The LCD display will illuminate.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off

Press the red power button once to turn the unit on. Press it again to turn it off.

4.2 Unit Selection (Wind Speed)

With the device on, press the **UNIT** button to cycle through the available wind speed units:

- MPH (Miles Per Hour)
- KM/H (Kilometers Per Hour)
- Knots
- M/S (Meters Per Second)
- FT/MIN (Feet Per Minute)

4.3 Unit Selection (Temperature)

Press the **°F/°C** button to switch between Fahrenheit and Celsius temperature readings.

4.4 Backlight and Inspection Light

Press the **light bulb** button to activate or deactivate the LCD backlight. This also activates the integrated inspection light for improved visibility in dark areas.

4.5 Max/Min/Avg Functions

The device can record maximum, minimum, and average readings during a measurement session:

- Press **MAX/MIN** to display the maximum recorded wind speed.
- Press **MAX/MIN** again to display the minimum recorded wind speed.
- Press **AVG** to display the average wind speed.
- These values will hold in place until reset or the device is powered off.

4.6 Extendable Design

The anemometer features an extendable design, allowing the wind speed sensor to be positioned in hard-to-reach places, such as air ducts, for more accurate measurements. Gently pull the sensor head upwards to extend it.

5. TAKING MEASUREMENTS

5.1 Wind Speed Measurement

Hold the anemometer so that the wind flows directly into the back of the fan (indicated by an arrow on the housing). Ensure the fan spins smoothly and freely for accurate readings. The current wind speed will be displayed on the LCD, with updates every 1 second.

5.2 Temperature and Humidity Measurement

The device continuously updates temperature and humidity readings every 30 seconds. High and low records for these values are maintained and displayed on the screen.

5.3 Altitude, Wind Chill, and Heat Index

The anemometer also provides readings for altitude and automatically calculates wind chill and heat index based on the measured environmental data.

6. SPECIFICATIONS

Brand	AcuRite
Model Number	00256M
Recommended Uses	Altitude, Heat Index, Humidity, Temperature, Wind Chill, Wind Speed
Power Source	Battery Powered (3x AAA, not included)
Special Feature	Alarm
Material	Plastic
Color	Black
Temperature Accuracy	1 °C
Wind Speed Range	0 to 60 mph, 0 to 97 km/H, 0 to 52 knots, 0 to 27 M/s, 0 to 1990 ft/min
Temperature Range	-40 °F to 158 °F (-40 °C to 70 °C)
Humidity Range	1% to 99%
Product Dimensions	0.78 x 2.5 x 7.2 inches
Item Weight	5.4 ounces
Display Type	LCD

7. MAINTENANCE

- Keep the device clean and dry.
- Avoid exposing the device to extreme temperatures or humidity for prolonged periods.
- Replace batteries when the low battery indicator appears on the display.
- Handle the wind speed sensor (fan) with care to prevent damage.

8. TROUBLESHOOTING

8.1 Inaccurate Readings

- Ensure the wind speed sensor is free from obstructions and spins smoothly.
- Verify the device is held correctly, allowing wind to flow directly into the sensor.
- Check battery levels.

8.2 Display Not Working

- Check battery installation and ensure batteries are not depleted.
- Press the power button firmly.

9. WARRANTY AND SUPPORT

This product comes with a 1-year limited warranty. For detailed warranty information or support, please visit the official AcuRite website or contact customer service.

10. PRODUCT VISUALS AND DEMONSTRATIONS

10.1 Product Images





Figure 1: Front view of the AcuRite 00256M Portable Anemometer.



Figure 2: Key features including the inspection light, LCD backlight, and extendable arm.



Figure 3: Anemometer in use, measuring wind speed for drone operation.





Figure 4: The anemometer with its extendable arm, useful for measuring in confined or elevated spaces.





Figure 5: Side view of the device, highlighting the control buttons.










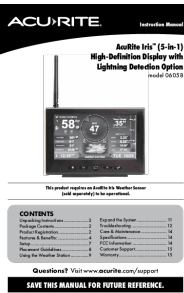
Figure 6: Back view of the anemometer, showing the battery compartment and model information.



Figure 7: Anemometer in use on a boat, demonstrating its portability for outdoor activities.

10.2 Official Product Video

Video 1: Official product overview and demonstration of the AcuRite 00256M Portable Anemometer with Flashlight.

	<p>AcuRite 5-in-1 Weather Sensor (Model 06004RM/VN1TXC) - Instruction Manual and Setup Guide</p> <p>Comprehensive instruction manual for the AcuRite 5-in-1 Weather Sensor (Model 06004RM/VN1TXC). Learn about features, setup, installation, placement, calibration, specifications, and customer support from Chaney Instrument Co.</p>
	<p>AcuRite Iris 5-in-1 Weather Station: Setup, Wi-Fi, and User Guide</p> <p>Get started with your AcuRite Iris 5-in-1 Weather Station. This guide covers Wi-Fi setup, sensor installation, calibration, and troubleshooting for accurate home weather monitoring.</p>
	<p>AcuRite Weather Center 00623/00632/00638 Instruction Manual</p> <p>This instruction manual provides detailed guidance for setting up, operating, and troubleshooting the AcuRite Weather Center models 00623, 00632, and 00638. It covers features, specifications, and care instructions for optimal performance.</p>
	<p>AcuRite 00439DI Weather Center Instruction Manual</p> <p>Comprehensive instruction manual for the AcuRite 00439DI Weather Center, covering setup, operation, features, troubleshooting, and specifications. Learn how to install and use your 3-in-1 sensor and display unit for accurate weather forecasting.</p>
	<p>AcuRite 01036 Professional Weather Center Instruction Manual</p> <p>Detailed instructions for the AcuRite 01036 Professional Weather Center. Covers setup, features, operation, troubleshooting, care, and specifications for accurate home weather monitoring.</p>
	<p>AcuRite Iris (5-in-1) High-Definition Display with Lightning Detection Option - Instruction Manual</p> <p>Comprehensive instruction manual for the AcuRite Iris (5-in-1) High-Definition Display with Lightning Detection Option (model 06058). Covers setup, features, operation, troubleshooting, specifications, and warranty information.</p>