

INFURIDER YF-876

INFURIDER YF-876 Handheld Digital Anemometer

INSTRUCTION MANUAL

Model: YF-876 | Brand: INFURIDER

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1. Product Overview

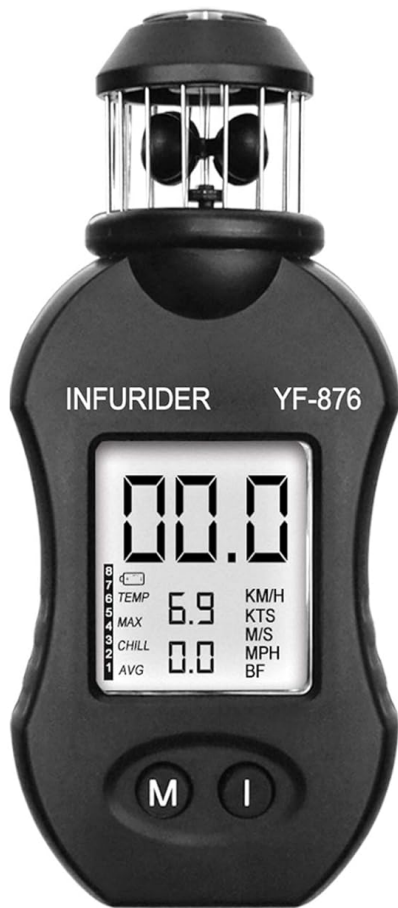
The INFURIDER YF-876 is a handheld digital anemometer designed for accurate measurement of wind speed and direction. It incorporates a 4-cup rotating rack and a built-in compass for comprehensive environmental monitoring. The device features an easy-to-read LCD screen that displays current, average, and maximum wind force, along with the Beaufort scale. This anemometer is suitable for a wide range of applications, including HVAC system checks, drone flight planning, sailing, and various other outdoor activities requiring precise wind data.



Image: The INFURIDER YF-876 Handheld Digital Anemometer, showcasing its compact design and digital display.

2. Key Features

- **Advanced Anemometer Design:** Utilizes a 4-cup rotating rack for efficient wind speed and direction sensing. Features a built-in compass for easy orientation.
- **Accurate Wind Measurement:** Provides precise wind speed readings across ranges of 1.5-93 mph, 2.5-150 km/h, 1.3-81 Knots, and 0.7-42 m/s, with support for 12 Beaufort scale levels. Offers a high precision of +/-4% and a resolution of up to 0.1 m/s.
- **User-Friendly Display:** Equipped with a 2.2-inch LCD screen for clear visibility of maximum, average, and current wind speed values.
- **Power Efficiency:** Operates on a single 3V (CR2032) battery. Features automatic power-off after 8 days of inactivity to extend battery life.
- **Tripod Mount:** Includes a standard tripod socket on the bottom plate for stable, hands-free operation during extended measurements (tripod not included).
- **Easy Battery Replacement:** Designed for simple battery replacement using a coin. The battery cover is fitted with a waterproof rubber ring for protection.



Long standby time



Compass Display



Cup anemometer



Low Battery Consumption



Max/Avg Value Measurement



Wind Speed Unit Switchable(m/s, km/h, knots, mph)

Image: Visual representation of the anemometer's key features, including power efficiency and measurement capabilities.

3. Setup

3.1 Battery Installation

The INFURIDER YF-876 anemometer requires one 3V CR2032 battery for operation.

1. Locate the circular battery cover on the back of the device.
2. Use a coin to gently turn the battery cover counter-clockwise to unlock and remove it.
3. Insert a new 3V CR2032 battery with the positive (+) side facing upwards.
4. Replace the battery cover and turn it clockwise with the coin until it is securely fastened. Ensure the waterproof rubber ring is properly seated to maintain water resistance.

BATTERY REPLACEMENT

Come with 3V(CR2032 battery),it very easy for you to replace the battery with coins.



Image: Step-by-step visual guide on replacing the 3V CR2032 battery using a coin.



Image: Multi-panel image illustrating the battery installation process: 1. Open the cap with coins. 2. Turn 1/4 and prize it out. 3. Install the battery.

3.2 Tripod Mounting

For stable, hands-free operation, the anemometer can be mounted on a standard tripod (not included).

1. Locate the threaded tripod socket at the bottom center of the anemometer.
2. Carefully screw a compatible tripod into the socket until it is securely attached.



Image: An overview highlighting the tripod mounting hole at the base of the anemometer.

4. Operating Instructions

4.1 Power On/Off

Press the **I** (ON/OFF) button located on the front of the device to turn it on or off. The anemometer is designed with an automatic power-off feature that activates after 8 days of inactivity to conserve battery life.

4.2 Mode Button and Unit Selection

Press the **M** (Mode) button to cycle through the available wind speed units. The device supports measurements in meters per second (m/s), kilometers per hour (km/h), Knots, and miles per hour (mph). The last selected unit will be saved for future use.

4.3 Display Information

The 2.2-inch LCD screen provides the following information:

- **Current Wind Force:** Real-time wind speed measurement.
- **Average Wind Force:** The average wind speed over a period.
- **Maximum Wind Force:** The highest wind speed recorded during the measurement session.

- **Beaufort Scale Graph:** A visual representation of the wind force according to the Beaufort scale.
- **Power Display:** An indicator showing the current battery level. A blinking "Please insert new battery" message will appear when the battery is low.



Image: Close-up of the anemometer's display, showing current, maximum, and average wind force, along with the Beaufort scale and button functions.

4.4 Wind Measurement

The YF-876 anemometer features a 4-cup rotating rack design that allows for 360-degree wind speed measurement. This means the device does not need to be turned directly into the wind direction to obtain accurate readings.

360° Wind Speed Measurement

This anemometer does not have to be turned in the direct wind direction.



Image: The anemometer in an outdoor setting, demonstrating its 360-degree wind measurement capability.

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Video: This video demonstrates the INFURIDER YF-876 anemometer's 360-degree wind measurement capability, its on-screen display features (current, average, maximum wind force, Beaufort scale), the tripod hole design, battery installation process, and the ability to switch between 5 wind speed units.

5. Maintenance

- Keep the device clean and dry. Use a soft, damp cloth to wipe the exterior. Do not use abrasive cleaners or solvents.
- Avoid exposing the device to extreme temperatures, direct sunlight for prolonged periods, or high humidity.
- Replace the battery promptly when the low power indicator appears on the display to ensure accurate readings and prevent potential damage from battery leakage.
- Store the anemometer in a safe place when not in use, away from dust and potential impacts, to prevent damage to the wind cups or display.

6. Troubleshooting

- **Device does not power on:**
 - Check if the battery is installed correctly with the positive (+) side facing up.
 - Ensure the battery is a fresh 3V CR2032.
 - Verify the battery cover is securely closed.

- **Inaccurate readings:**

- Ensure the wind cups are free from obstructions (e.g., dirt, debris) and rotate smoothly.
- Check for any visible damage to the wind cups or sensor mechanism.
- Confirm the device is held steadily and not obstructed during measurement.

- **Display is blank or flickering:**

- Replace the battery with a new 3V CR2032.
- If the issue persists after battery replacement, contact customer support for further assistance.

7. Specifications

Feature	Detail
Product Dimensions	15.1 x 8.1 x 5.1 cm
Item Weight	180 g
Material	Rubber
Wind Speed Range	1.5-93 mph, 2.5-150 km/h, 1.3-81 Knots, 0.7-42 m/s
Beaufort Scale	12 levels
Precision	+/-4%
Resolution	0.1 m/s
Power Source	3V CR2032 battery
Auto Power Off	After 8 days of inactivity
Manufacturer	INFURIDER
Model Number	YF-876

8. Warranty and Support

The INFURIDER YF-876 Handheld Digital Anemometer comes with a **365-day warranty** from the date of purchase. Additionally, lifetime technical support is provided by INFURIDER.

In the event of any quality-related issues or defects, please contact INFURIDER customer support. The manufacturer is committed to providing a replacement for qualifying issues under warranty.