

SEEIRIR BT-8806

SEEIRIR BT-8806 Digital Anemometer User Manual

INTRODUCTION

This manual provides comprehensive instructions for the safe and effective use of the **SEEIRIR BT-8806 Digital Anemometer**. This device is engineered for real-time measurement of wind speed, temperature, and air volume, delivering reliable data with rapid response.

It is suitable for a variety of applications, including air conditioning and ventilation system detection, outdoor sports wind speed monitoring, industrial safety inspections, and meteorological teaching experiments.

SAFETY INFORMATION

- Read this manual thoroughly before operating the device.
- Do not attempt to disassemble or modify the anemometer. This may cause damage and void the warranty.
- Keep the device away from water and high humidity to prevent electrical shock or damage.
- Use only the specified battery type and ensure correct polarity during installation.
- Avoid exposing the device to extreme temperatures or direct sunlight for prolonged periods.
- Keep out of reach of children.

PACKAGE CONTENTS

Verify that all items listed below are present in your package:

- BT-8806 Digital Anemometer
- Mini Compass
- Lanyard
- Screwdriver
- User Manual



Image: The BT-8806 Digital Anemometer, featuring its wind cup sensor, LCD display, and control buttons. Also shown are the included mini compass, lanyard, and screwdriver.

PRODUCT OVERVIEW

Familiarize yourself with the components of your BT-8806 Digital Anemometer:

- **Wind Cup Sensor:** Located at the top, this rotating sensor measures wind speed.
- **LCD Display:** Shows real-time readings for wind speed, temperature, and other indicators.
- **UNIT Button:** Changes wind speed measurement units.
- **MAX/MIN Button:** Cycles through maximum, minimum, and average wind speed readings.
- **Power / Backlight Button:** Turns the device on/off and activates/deactivates the display backlight.
- **°F/°C Button:** Switches between Celsius and Fahrenheit temperature units.
- **HOLD Button:** Freezes the current readings on the display.
- **Battery Compartment:** Located on the back for battery installation.
- **Tripod Screw Mount:** Located at the bottom for mounting on a tripod.

SETUP

Battery Installation

The BT-8806 Anemometer requires batteries for operation. To install:

1. Locate the battery compartment cover on the back of the device.
2. Use the included screwdriver to open the battery compartment.
3. Insert the required batteries (not included) according to the polarity markings (+/-) inside the compartment.
4. Securely close the battery compartment cover.

Attaching Lanyard

Attach the included lanyard to the designated loop on the anemometer for secure handling and to prevent accidental drops.

Tripod Mounting

For stable, hands-free operation, the device features a standard tripod screw mount at its base. Attach it to a compatible tripod as needed.

OPERATION

Power On/Off

Press and hold the **Power** button (red circle with line) for approximately 2 seconds to turn the device on or off.

Backlight Control

Briefly press the **Power** button to activate or deactivate the display backlight for improved visibility in low-light conditions.

Wind Speed Measurement

Hold the anemometer so that the wind cup sensor at the top faces the airflow. The current wind speed will be displayed prominently on the LCD.

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), miles per hour (mph), and Knots.

Temperature Measurement

The current ambient temperature is displayed at the bottom section of the LCD simultaneously with wind speed readings.

Changing Temperature Units

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

MAX/MIN/AVG Function

Press the **MAX/MIN** button to view the maximum, minimum, and average wind speed readings recorded since the device was powered on or the function was reset. Press the button repeatedly to cycle through these modes.

Data Hold Function

Press the **HOLD** button to freeze the current readings on the display. This is useful for noting down measurements. Press the button again to release the hold and resume real-time measurements.

MAINTENANCE

Cleaning

Wipe the device exterior with a soft, dry cloth. Do not use abrasive cleaners, solvents, or immerse the device in water.

Storage

When not in use for extended periods, store the anemometer in a cool, dry place. Remove the batteries to prevent leakage and damage to the device.

TROUBLESHOOTING

- **Device does not power on:** Check battery installation. Ensure batteries are inserted with correct polarity and are not depleted. Replace batteries if necessary.
- **Inaccurate wind speed readings:** Ensure the wind cup sensor is unobstructed and rotating freely. Avoid measuring in turbulent or obstructed airflow.
- **Display is blank or shows erratic readings:** Check battery level. If the issue persists after replacing batteries, contact customer support.
- **Backlight not working:** Ensure the device is powered on. Briefly press the Power button to toggle the backlight.

SPECIFICATIONS

- **Model:** BT-8806
- **Measurement Units:** m/s, km/h, mph, Knots (for wind speed); °C, °F (for temperature)
- **Key Features:** Real-time wind speed and temperature measurement, MAX/MIN/AVG functions, Data Hold, Backlight, Tripod Screw Mount
- **Power Source:** Batteries (not included)
- **Item Weight:** 14.1 ounces
- **Manufacturer:** SEEIRIR

WARRANTY AND SUPPORT

For detailed warranty information, technical assistance, or customer support, please refer to the contact details provided with your original purchase documentation or visit the official SEEIRIR website.