EMC&LVD

Digital Anemometer

User Manual

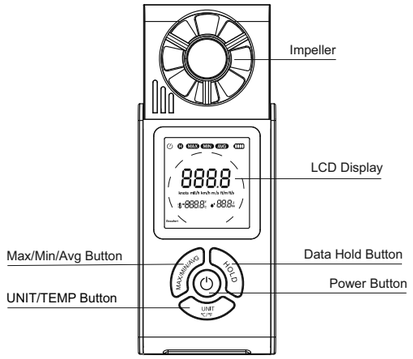


EN-00331-01

Please read this manual carefully before using the meter and keep it properly for future reference.

Introduction

This is a professional digital anemometer with stable performance, safety, and reliability. It is suitable for applications in wind energy, meteorology, industry, agriculture, highways, ports, etc. The device is easy to operate, It supports multiple unit switching and makes data reading and recording convenient.



Display Symbols

Display Symbols	Description	Display Symbols	Description
⏻	Auto power-off indicator	H	Data hold
MAX	Maximum value	RH%	Humidity unit (Relative Humidity)
MIN	Minimum value	▭	Battery level Indicator
°C	Celsius unit	AVG	Average value
°F	Fahrenheit unit		



Operation Guide

A.Precautions

- Do not touch the fan blades with excessive force.
- Do not store or operate the instrument in areas with high temperature or high humidity.
- Do not store the instrument near solvents, acids, or other corrosive substances.
- Remove the batteries if the device will be idle for a long time to prevent damage.

B.Measurement

1. Press the “ ⏻ ” button to turn on the device.
2. Once powered on, the instrument will display readings and enter measurement mode.
3. Press the “ UNIT °C/°F ” button to select the wind speed before measurement.
4. Point the fan toward the airflow to read the values easily.
5. Long press the “ ⏻ ” button to turn off the device.

C. Data Hold

Press the HOLD key once to activate the data hold function.
Press the HOLD key again to deactivate the function and return to normal measurement mode.

D. Temperature Unit Selection (°C/°F)

Long press the “ UNIT °C/°F ” button to switch the temperature unit between Celsius (°C) and Fahrenheit (°F).

E.MAX/MIN/AVG Mode

- Press the “MAX/MIN/AVG” button to enable the MAX/MIN/AVG monitoring function.
- Press the button again to cycle through the current maximum, minimum, and average readings.
- To exit this function, press and hold the button for 2 seconds to return to the normal realtime measurement mode.

F.Auto Power-off Function

This meter has an automatic power-off function. The figure “ ⏻ ” displayed on LCD indicates this function is enabled. It will automatically power off after 10 minutes of inactivity.

To cancel this function, follow the steps as below: Before turning on this meter, press “ UNIT °C/°F ” and keep holding. Then press “ ⏻ ” by another finger. Finally release both buttons at the same time to turn on this eter. “ ⏻ ” will not be shown on the display, which means Automatic Power Off has been cancelled.

When this meter is restarted, Automatic Power Off will be enabled again.

G.Technical Specifications

(1) General Specifications

Item	Technical Specifications
Wind Speed Range	0.70 ~ 30.00 m/s
Sensor	Impeller type + Bearings
Auto Power-off	10 minutes
Battery	3 x 1.5 V AAA alkaline batteries
Size	58.6 x 27.6 x 149 mm
Weight	107g

(2) Wind Speed

Unit	Range	Resolution
m/s (Meters/Second)	0.7~30.00	0.01
ft/min (Feet/Minute)	137~5900	0.1
ft/s (Feet/Second)	2.30 ~ 98.00	0.01
knots (Knots)	1.36~58.00	0.01
mph (Miles/Hour)	1.57~67.00	0.01
km/h (Kilometers/Hour)	2.52~108	0.01
Wind Speed Accuracy	< 1.00 m/s: +0.7 m/s; 1.00~30.00 m/s: ±(3.0% + 0.5 m/s)	

(3) Temperature and Humidity

Item	Range / Accuracy
Temperature Range	-20.0°C ~ 60.0°C (-4.0°F ~ 140.0°F)
Temperature Accuracy	0.0°C ~ 45.0°C: ±1.0°C; Others: ±1.5°C
Humidity Range	0.0% ~ 99.9% RH
Humidity Accuracy	20% ~ 80% RH: ±3.0% RH; Others: ±4.0% RH

H. LCD Color Display

Wind speed (/m/s)	LCD Color Display
Wind speed < 10 m/s	Green
Wind speed 10 m/s and < 20	Yellow
m/sWind speed ≥ 20 m/s	Red

Press any key to turn on the backlight. It will turn off automatically after 2 minutes without any operation.

Maintenance

A.Battery Replacement

When the low battery icon “ ▭ ” appears, please replace the batteries immediately.

1. Open the battery cover (some models may require a small tool to pry the clip).
2. Remove the old batteries.
3. Insert new batteries following the “+/-” polarity marks inside the compartment.
4. Ensure batteries are secure and snap the cover back into place.

B.Cleaning the Housing

⚠ **Caution:**

1. To avoid damaging the casing, do not use corrosive cleaners or solvents.
2. Regularly clean the housing with a damp cloth and mild detergent.