

**Bluetooth®
Anemometer**

**900018
Instruction Manual**

SPER
SCIENTIFIC

Environmental Measurement Instruments

Overview


Thank you for using our anemometer. In order to ensure the better use of it, we remind you to carefully read this instruction before use.

This product is an anemometer with Bluetooth function, it is easy to operate and convenient to carry, it can be used for electric power, steel, petrochemical, energy saving, all kinds of fan manufacturing, air exhaust ventilation system and other industries.

Features

- ◇ Bluetooth function
- ◇ Automatic shutdown function
- ◇ Provided with dedicated APP
- ◇ Switching of wind speed units
- ◇ Wind speed and temperature measurements at the same time

Precautions

- ☆ Do not disassemble and modify this product without permission.
- ☆ If you will not use this meter for a long time, please remove the battery to prevent the corrosion of this meter caused by battery leakage.
- ☆ When the battery is low (LCD displays  symbol), please timely replace the battery.
- ☆ Clean by gently wiping with soft cloth or sponge dipped with a little alcohol or weak soap, do not clean it with abrasive or caustic solvent.

Turn on/off: Short press the button on the bottom of screen to turn on, long press it to shut down.

Switching of units: There has a button hidden inside the battery compartment (see fig.1), short press it to switch the wind speed unit; long press it to switch the temperature unit

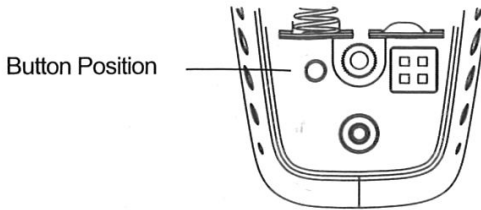
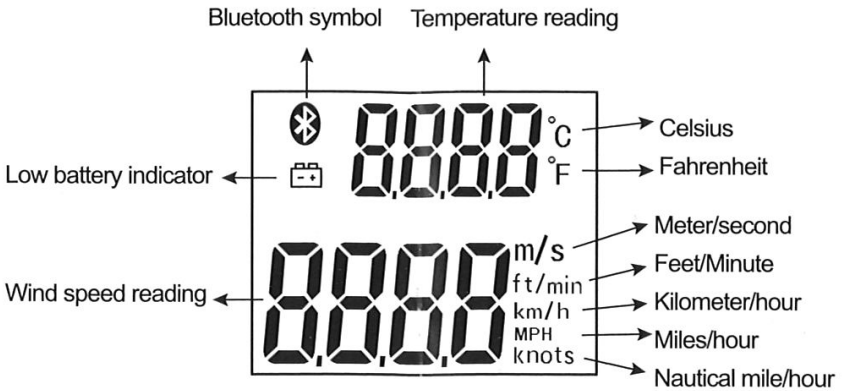


figure1

Display Description



Software Acquisition

Our company offers the apps for Apple mobile system and Android system. Scan the two-dimensional code below to download and install the app "Wind Speed Meter" on company's website or download it from company's website:

www.xintest.com.cn/download.php.




Wind Speed Meter




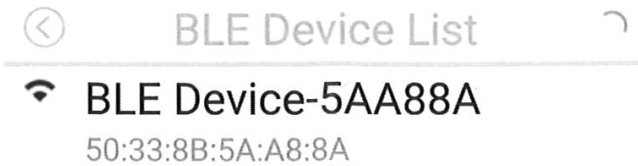
Two-dimensional code

Software Use

Wind Speed Meter software for Apple and Android mobile phones is operated in a similar way, here's an example of software for Android phone:


1) Connect the meter to mobile phone: Turn on the meter → Turn on phone's Bluetooth function → Open Wind Speed Meter APP → Click the  icon to enter the "BLE Device List" interface which displays the identified meters, click it to finish the connection, the software will automatically return to the main interface. Indicator light flashes for reminding after the successful connection.

When there are several products working nearby, click the  icon in the main interface to enter the "BLE Device List" interface to view or select the meter you need to connect.

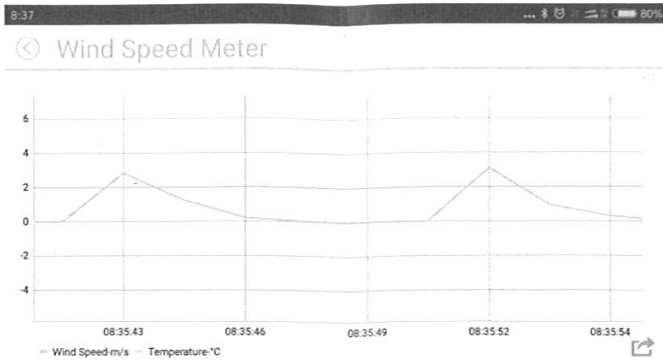



2) The measured readings and the battery power of meter are displayed in the main interface of Wind Speed Meter software; meanwhile, the temperature and wind speed unit can be switched at any time.

3) Set data's updating frequency: Click "Update interval: 1" to set it in the pop-up dialog box.

4) Share the measured data with others or save to your mobile phone: Click the  icon in the main interface of APP, click "Share" in the pop-up dialog box to share generated Excel file with others (software that can send files is required). If you click "Export" and select the save location in the pop-up dialog box, the Excel file generated by data will be saved to mobile phone.

5) View, save and share data trend chart: Click "TREND" to open the chart view.



Click the  icon in the lower right of chart to save the trend chart to your phone or share it with others, the method is the same as described in point 4.

Unit Conversion Table

	m/s	ft/min	knots	km/h	MPH
1m/s	1	196.87	1.944	3.6	2.24
1ft/min	0.00508	1	0.00987	0.01829	0.01138
1knots	0.5144	101.27	1	1.8519	1.1523
1km/h	0.2778	54.69	0.54	1	0.6222
1MPH	0.4464	87.89	0.8679	1.6071	1

Product Parameters

Wind speed measurement

Wind speed measurement			
Wind speed unit	Range	Resolution	Accuracy
m/s	1~25.0	0.01	$\pm (3\%+0.2\text{m/s})$
km/h	3.6~90.0	0.1	$\pm (3\%+0.8\text{km/h})$
ft/min	196~4921	1	$\pm (3\%+40\text{ft/min})$
knots	1.9~48.5	0.1	$\pm (3\%+0.4\text{knots})$
MPH	2.2~55.9	0.1	$\pm (3\%+0.4\text{MPH})$

Wind temperature measurement

Unit	Range	Resolution	Accuracy
$^{\circ}\text{C}$	0~50 $^{\circ}\text{C}$	0.1	$\pm 2^{\circ}\text{C}$

Automatic shutdown: about 15 minutes

Atmospheric pressure: 500mb~2Bar

Operating temperature: 0~50 $^{\circ}\text{C}$

Storage temperature: -10~60 $^{\circ}\text{C}$

Storage humidity: 0~75% RH, no condensation

Power supply: 4 x 1.5V, AAA batteries

Size: 175mm×45mm×26mm

Weight: 82g