OWON®

Meeting your needs

OWON

OWM5500

X WIND SPD   m/s
38.6
btf »»»»»»»»»»»»12
unit

SMART ANEMOMETER
- OWM5500

+ 7 kinds of measurement: wind speed, air volume, temperature, humidity, etc., Supports Pufu wind rating
+ Charts display mode, can analyze trends, and perform statistics on data
+ Built-in 8000 sets of data storage, which can be stored automatically or manually, and supports data zero clearing with one click
+ Multi - gear setting, automatic power off, energy saving
+ Built-in lithium battery, can be connected to the charging bank through USB TYPE-C interface, providing longer use time
+ Support APP remote control
+ Supports the data graph mode, and can export the data for further analysis through PC software

TOP 10
ADVANTAGES OF INNOVATION
A MORE COMPREHENSIVE ANEMOMETER

7 kinds of measurement value

Multi-unit conversions -
5 kinds of wind speed unit,
2 kinds of temperature unit

Air volume calculation

High precision

7 blade wind wheel

Lithium battery powered

Multi-gear Auto power off

Backlight large screen

Large data storage

Unlimited communication

7 BLADES AIRFOIL FAN DESIGN MORE ACCURATE DATA COLLECTION
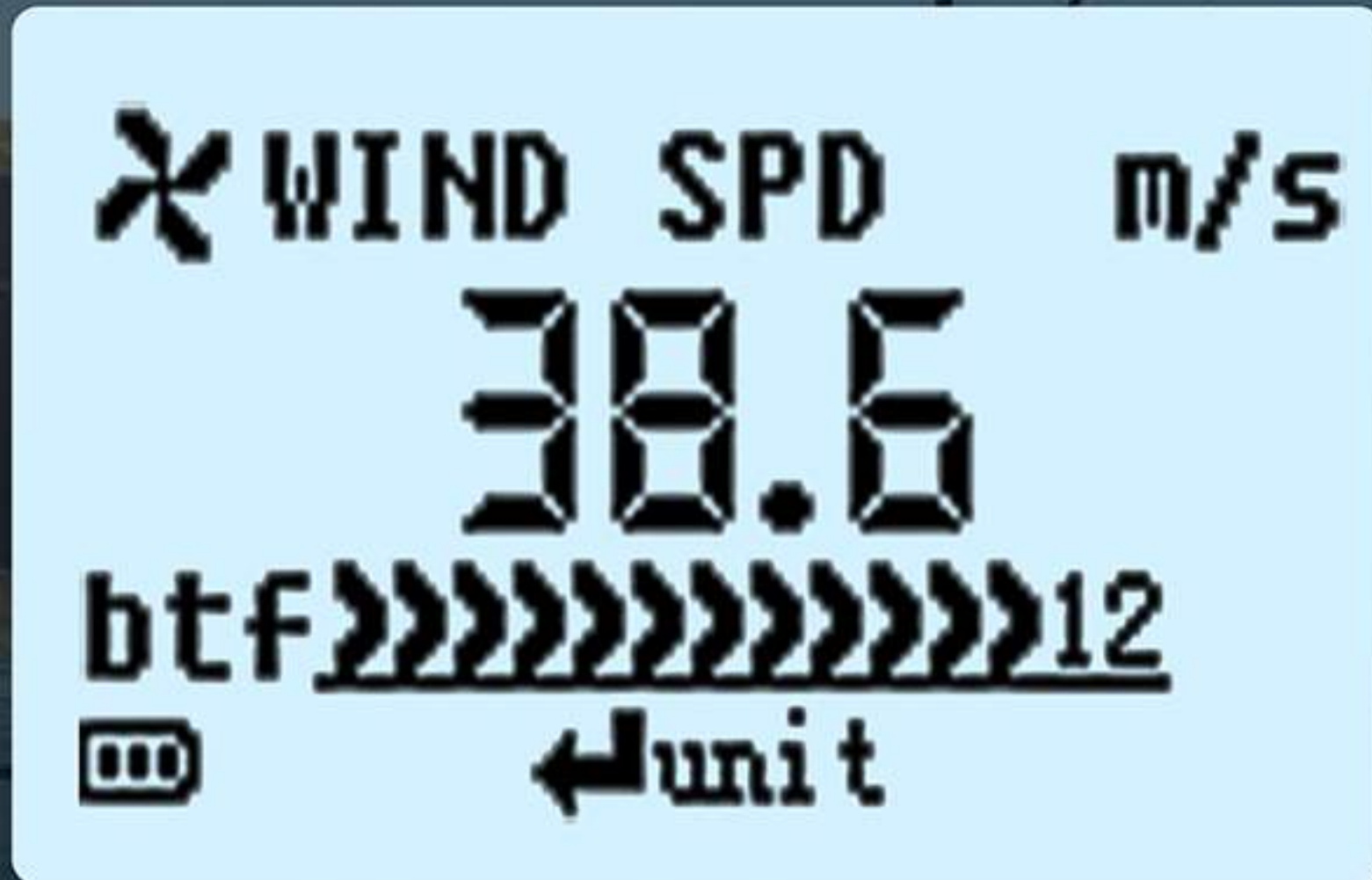
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OWM5500

Replaceable airfoil wheel to ensure long-term data accuracy and improve measurement accuracy.

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FULL FUNCTIONAL MEASUREMENT

7 measurement values, supporting beaufort scale.

WIND SPEED MEASUREMENT

✗ WIND SPD   m/s
38.6
btf ⟫⟫⟫⟫⟫⟫⟫⟫⟫⟫⟫⟫ 12
▱   ↵ unit

Unit: m/s, km/h, ft/s, kt, mph

WIND VOLUME MEASUREMENT

⊟ AIR FLOW   CMS
6.170
area: 1.234 m²
▱   ↵ settings

Unit: CMS, CFS

TEMPERATURE MEASUREMENT

🌡 TEMP   ℃
21.8
▱   ↵ unit

Unit: ℃, ℉

HUMIDITY MEASUREMENT

💧 HUMIDITY   %RH
56.2
▱

Unit: %RH

WET BULB TEMPERATURE

WB🌡 WET BULB   ℃
16.7
▱   ↵ unit

Unit: ℃, ℉

DEW POINT MEASUREMENT

DP💧 DEW POINT   ℃
12.7
▱   ↵ unit

Unit: ℃, ℉

❄ WIND CHILL ℃

21.7

▥ ↵unit

Unit: ℃, ℉

2023/01/01

23:40:48

≣exit ◀▶ ◆adjust

THREE DISPLAYS ON ONE SCREEN

Scene free setting make the use more convenient

Can choose any **3 measurement values** in the same scene, read the data at a glance.

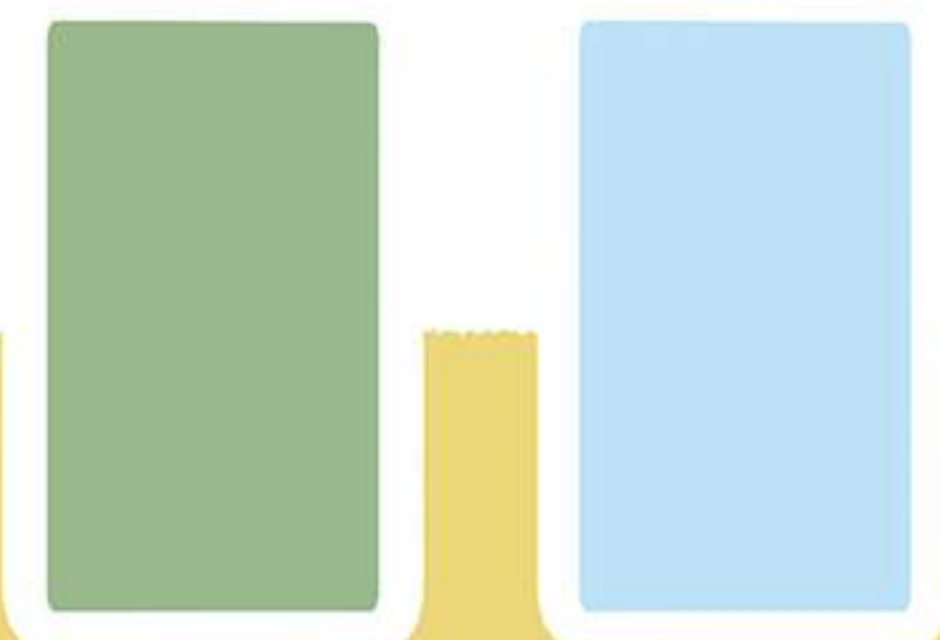owon

OWM5500

12.6 m/s
1.8
56.2 ℃
↵Unit ◀▶adjust

TREND CHART AND STATISTIC FUNCTION

Analyze the trend of measurement data, and calculate the Maximum, minimum and average value.
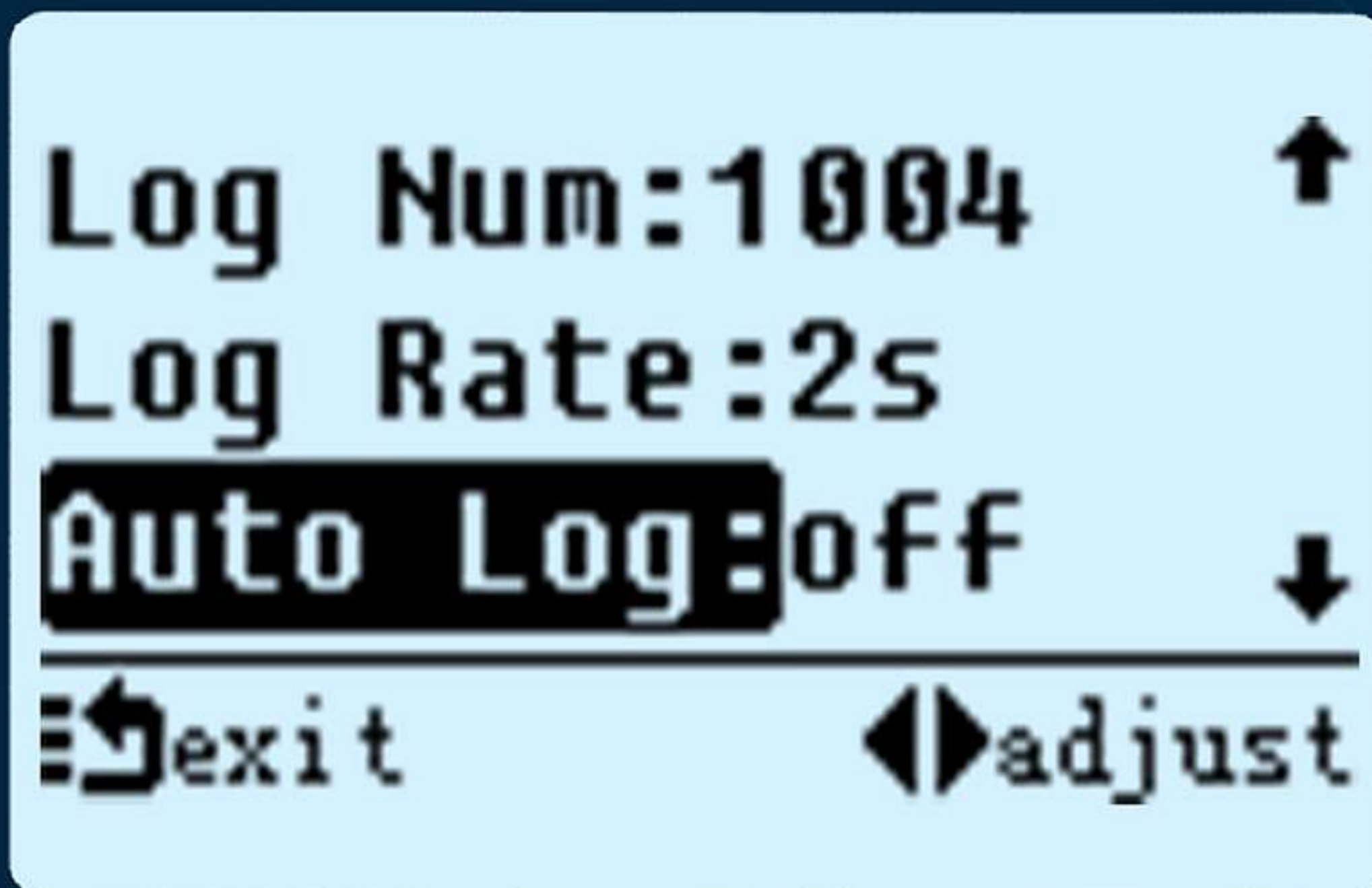
Wind speed trend graph

Statistical graph of wind speed

Display light efficiency is normal light and backlight.

BUILT-IN MASS DATA STORAGE

8000 sets of built-in data storage function, manually stored data or automatically stored at set intervals (multi-gear settings within 2s-12hours).

Log Num:1004
Log Rate:2s
Auto Log:off
exit   adjust

owon

OWM5500

Log Num:1004
Log Rate:2s
Auto Log:off
exit   adjust

DATA RECORD ANALYSIS FUNCTION

Equipped with PC software, which can monitor the anemometer through USB Type-C interface, and extract the recorded data of the anemometer for further analysis.

LITHIUM BATTERY POWER SUPPLY

Built-in 1x 18650 lithium battery, which can be charged by the power bank, prolong the use of time.

SUPPORT MOBILE PHONE TUYA APP

Remote monitoring through WIFI.
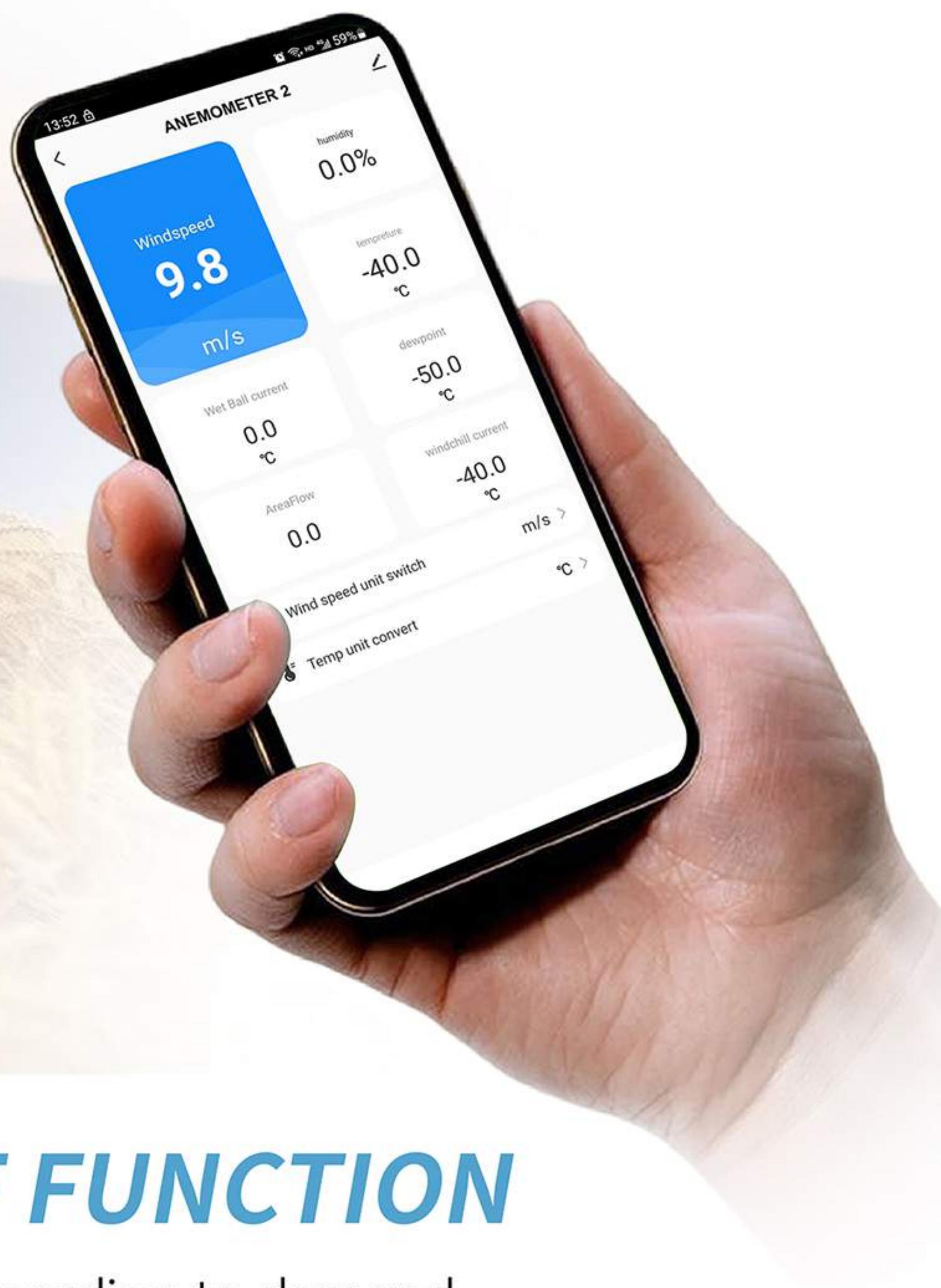
AUTO POWER OFF FUNCTION

Auto power off time can be set according to demand
(1, 5, 10 30 mins).

Energy Saving

PRODUCT STRUCTURE ANALYSIS

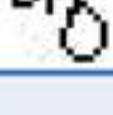## Comfortable hand feel, high quality materials

Display shows:
X WIND SPD   m/s
max   37.3
avg   24.2
min   5.4
↵ start

OWON
OWM5500

WARNING
TO PREVENT DAMAGE, POWER OFF THE DEVICE BEFORE REPLACING BATTERY OR OPENING CASE.

UK CA CE

RECHARGEABLE LITHIUM-ION BATTERY: 1 x 3.7V (18650)

1. Impeller
2. Impeller hood
3. LCD display area
4. Lanyard hole
5. Button area
6. Temperature sensor
7. Humidity sensor
8. Battery cover
9. Fixed hole
10. Switch buckle of battery cover
11. Isobaric chamber
12. Type-C charge and communication port

Dimensions (Lx Wx H): 136.5mm × 30mm × 64.5mm
Weight (without package): 0.2kg

PRODUCT PARAMETERS AND ACCESSORIES

Measurement Type	Icon	Name	Unit	Range	Resolution	Accuracy	Response Time
Wind speed		WIND SPD	m/s, km/h, ft/s, kt, mph	0.6 - 40 m/s	0.1m/s	±3%+0.1	0.5s
Temperature		TEMP	℃, ℉	-10 - 50 ℃	0.1℃	±1.0℃	0.5s
Humidity		HUMIDITY	%RH	5 - 95 %RH	0.1%RH	±5.0%RH	0.5s
Dew point		DEW POINT	℃, ℉	-40 - 50℃	0.1℃	±2.0℃	0.5s
Wet bulb temperature		WET BULB	℃, ℉	-40 - 50℃	0.1℃	±2.0℃	0.5s
Wind chill		WIND CHILL	℃, ℉	-40 - 50℃	0.1℃	±2.0℃	0.5s
Air volume		AIR FLOW	CMS, CFS	0.001 - 300.0CMS	0.001CMS		0.5s
Dimensions (L x H x W)			136.5mm x 30mm x 64.5mm				
Wight			0.2kg				
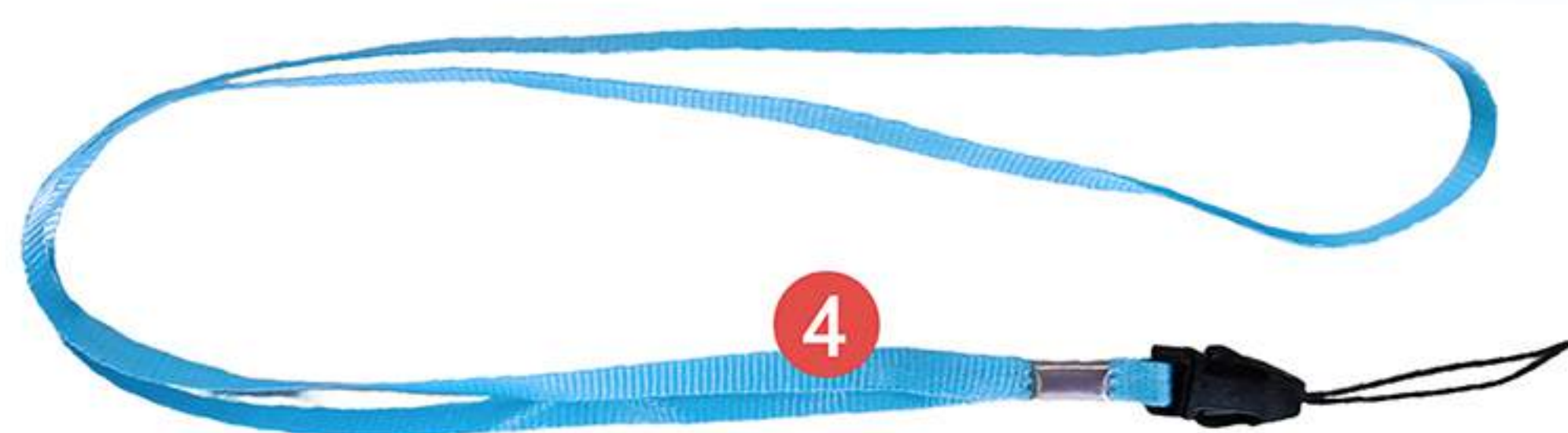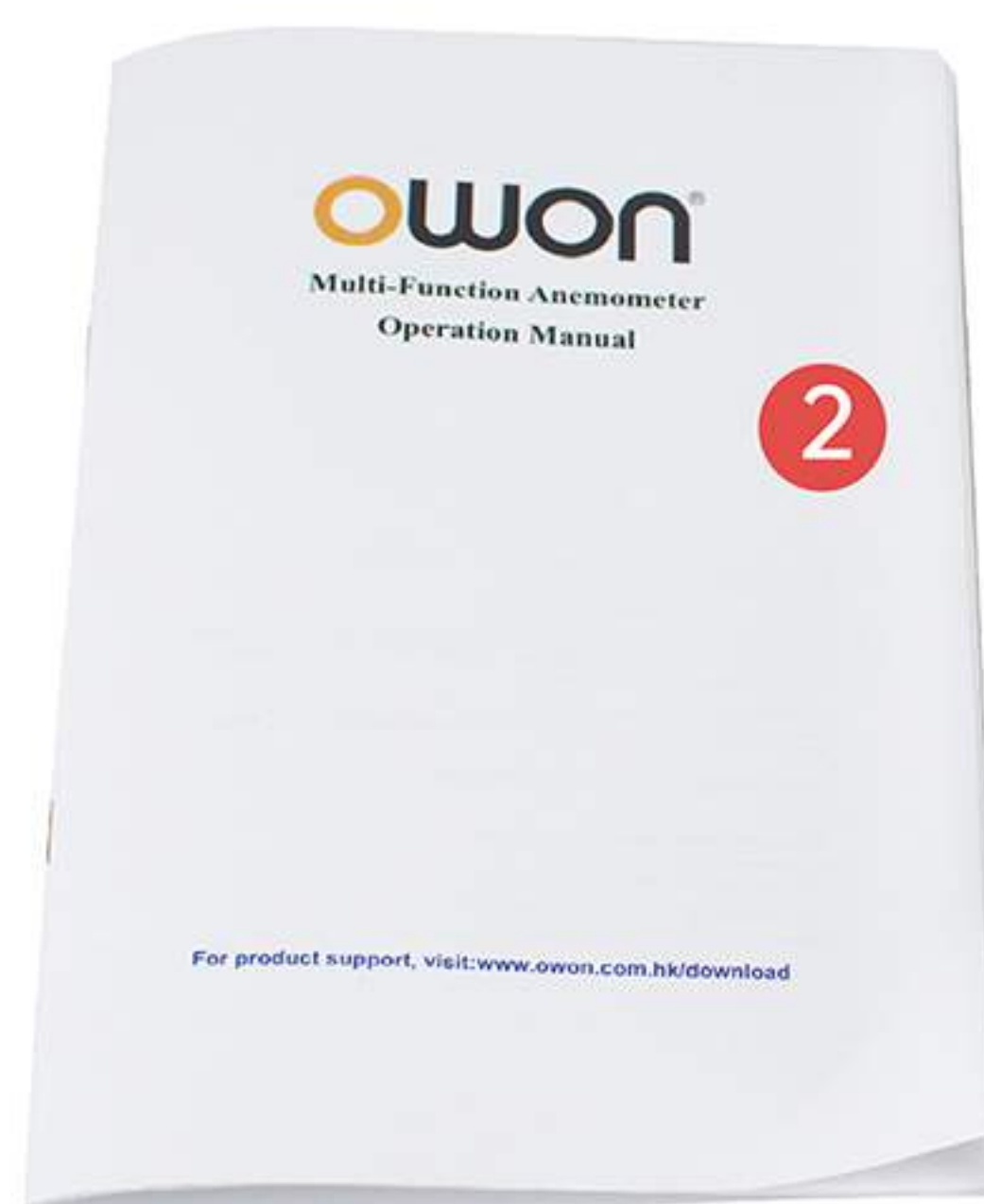
1.Anemometer   2.Manual   3.USB cable(Type-c)
4.Lanyard   5.Packing box