G9407-Log

Mini Anemometers (Bluetooth Version) Operating Instruction

1. Introduction

G9407-Log with Bluetooth function is a stable, safe, reliable mini digital anemometer, widely used in mining, electric, iron and steel, petrochemical, energy-saving, navigation, fan manufacturing, exhaust ventilation, sporting and many more industries.

This operating manual includes relevant safety information and warnings. Please read this manual carefully and observe all the cautions strictly.

⚠ Warning:
Before using the product, please read the operation safety rules carefully.

2. Out of the Box

Open the packing box and take out the meter. Please check carefully if any items below are missing or damaged.

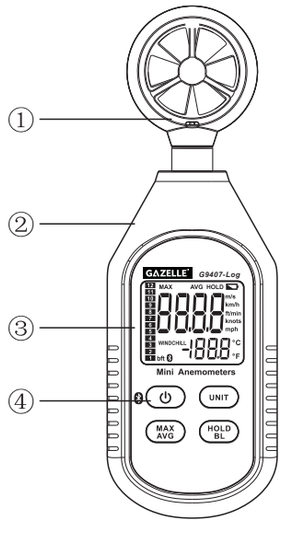
1. Blister ---------- 1
2. Operating manual ---------- 1

3. Operation Safety Rules

1.Please check the meter and the accessories before using and beware of any damage or abnormal phenomenon. If you find the case is damaged or the LCD shows nothing, or you consider that the meter could not work properly anymore, please stop using it.
2.Observe the operating instructions while measuring.
3.Do not open the meter at will or change internal wiring to avoid damages to the mater.
4.When the LCD displays " ", replace the battery timely. Remove the battery if the meter is not used for a long time.
5.Do not store or use the meter in high temperature, high humidity, flammable, combustible, or strong electromagnetic environment.
6.Please use soft cloth and neutral detergent to clean the case for maintenance. Do not use grinding agent and solvent to avoid case corrosion and damaging the meter.
7.This product has passed CE certification
Warning: Based on the principle of magnetic induction wind speed measurement, the product may be subject to interference under strong battery radiation condition. Please stay from those conditions as far as possible.

4. Product Exterior

1. Wind speed sensor/Temperature Sensor
2. Meter case
3. LCD display
4. Function keys



5. Display Interface

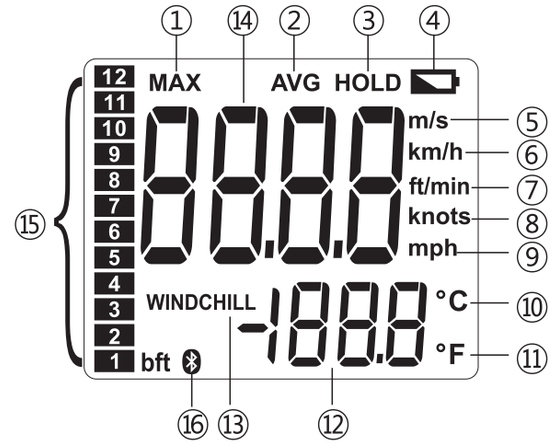


图2

1	Maximum measurement
2	Average value
3	Data hold
4	Low battery
5	m/s
6	km/h
7	ft/min
8	Knots
9	Mph
10	Celsius
11	Fahrenheit
12	Temperature value
13	Wind chill notification
14	Wind speed value
15	Beaufort scale
16	Bluetooth communication symbol indication

6. Key functions and setup

(remark : "short press"means : about 1second continuous press; "long press" means : about 2 second continuous press)

1. ⏻ ON/OFF / Bluetooth communication
Short press once to start up , short press again to power off .
Bluetooth communication : Under the state of boosting unit , long press to enter Bluetooth communication mode, and then long press again to quit Bluetooth communication mode.
2.UNIT: Unit conversion key
Short press this key and the wind speed value cycles m/s, km/h, ft/min, knots, and mph. Long press this key and the temperature unit changes between ℃ and ℉.
3.MAX/AVG:
Pressing this key can select maximum, average and normal value measurement; select maximum and the meter will always show the maximum reading; select average and the meter will always show the average reading.
4.HOLD/BL
HOLD: Short press this key once to hold the measurement; short press this key again to exit data hold and continue normal measurement.
BL: Long press this key to turn on backlight; long press this key again to turn off backlight.
5.Automatic shutdown
No operation 5 minutes after , then shut down the unit automatically (the default is automatic shutdown mode)
When you want to remove the automatic shutdown function, hold down the "hold" + " ⏻ " key to boot. LCD has a "APO OFF" character prompt, the automatic shutdown function will be removed .

7.Bluetooth APP specification

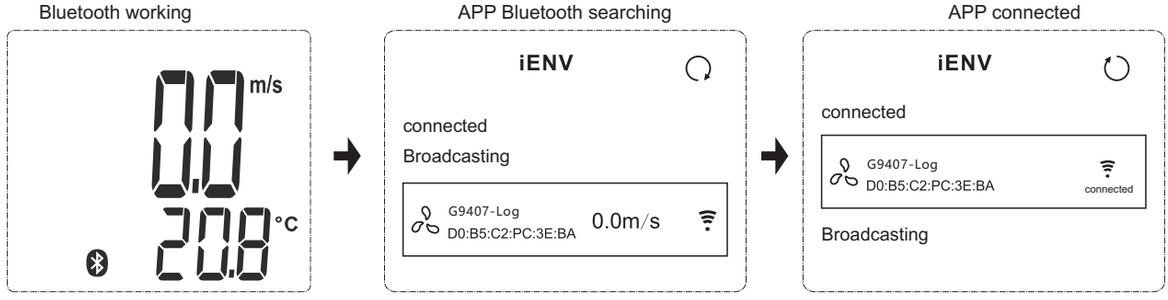
1. To connect Bluetooth , you need to install the application (iENV APP) on the smartphone
2. iOS device access it in App Store , Android device access it in Play Store or Please login www.gazelleindustrial to download.

Compatibility:
ios 8.4 or higher version
Android 4.3 or higher version
Bluetooth 4.0 or higher version
Memory 1G or more

3. Before Bluetooth APP and product are connected , you need to open the Bluetooth at the same time, and through the APP search the Bluetooth, and select the corresponding products to be connected in iENV APP

- when in the working state, long press the power button to turn on or off the Bluetooth

a. Bluetooth icon is flashing, indicating that the product is not connected with APP
b. Bluetooth icon isn't flashing, indicating that the product is connected with APP



8. Performance Testing

1. Technical Parameter

Function	Range	Resolution	Accuracy	Remark
Wind Speed Measurement	0～30m/s（Standard）	0.1	±(5%rdg+0.5)	Ambient temperature: 23℃±5℃ Ambient humidity: ≤80%RH
	1.4～108 Km/h（Reference）		±(5%rdg+15dgts)	
	0.7～58 Knots（Reference）		±(5%rdg+10dgts)	
	0.8～67 mph（Reference）		±(5%rdg+10dgts)	
	78～5905 ft/min(Reference)	1	±(5%rdg+180dgts)	
Temperature Measurement	-10～50℃	0.1℃	±2℃	Sensor operating temperature
	14～122℉	0.2℉	±4℉	
Wind Rating	0～12	1	±1	PUFU Wind rating as reference

2. General Type

a. LCD display: 4-bit LCD display. The displayed maximum is 9999.
b. Overload indication: When the wind speed is over 45m/s or the temperature is lower than -10℃ or higher than 50℃, "OL" will be displayed.
c. Low battery display: Prompt "".
d. Sampling rate: 0.5s
e. Sensor type: Magnetic induction type wind speed sensor and NTC negative temperature coefficient sensor.
f. When the temperature is lower than 0℃ and the wind speed is over 5m/s, the meter shows "WINDCHILL".
g. Impact strength: Can withstand the impact of landing from 1 meter's height.
h. Power requirement: 1.5V batteries (AAA) ×3
I. Product size: 163×55×28mm
j. Spec of thread to connect the product with three tripod: m¼"
k. Weight: 118g

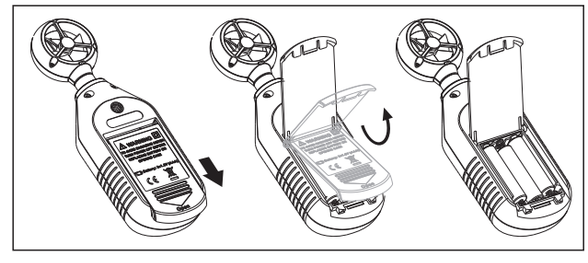
3. Environment Limitation

a. Indoor use
b. Maximum height: 2000m
c. Pollution level: 2
d. Working temperature and humidity: 0℃~40℃ (not greater than 80%RH)
40℃~50℃ (not greater than 45%RH)
e. Storage temperature and humidity:
-20℃~60℃ (not greater than 75%RH)

4. General Maintenance

Warning: please do not open the meter case to avoid affecting device accuracy or damage to the meter.
a. Maintenance and service of the meter should be accomplished by professional personnel or designated maintenance department.
b. Clean the case by dry cloth periodically, detergent with abrasive or solvent composition shall not be used.

5. Battery Installation and Replacement
a. The meter uses 3 pieces of AAA 1.5V batteries. Please see figure below for steps of battery installation and replacement.
b. Turn the panel down, push the battery cover open in the direction of the arrow, lift the cover and remove the batteries; install new batteries in accordance of polarity indications.
c. Please use batteries of same type instead of improper ones.
d. Close the cover tightly after installing new batteries.



说明书菲林做货要求：

序号	项目	内容
1	尺寸	展开尺寸210×160±1MM　　折后尺寸(105x80mm)
2	材质	60g书纸
3	颜色	单色双面印刷
4	外观要求	完整清晰、版面整洁，无斑墨、残损、毛边、刀线错位等缺陷。
5	装订方式	无
6	表面处理	无
7	其它	无
版本		REV.0

DWH 设 计	李志权2021.01.08	MODEL G9407-Log 机型：(Ut363BT)	Part NO. 物料编号：11040110****X
CHK 审核		UNI-T® 优利德科技(中国)股份有限公司 UNI-TREND TECHNOLOGY (CHINA) CO., LTD.	
APPRO. 批准			