Hot Wire Anemometer with Bluetooth

User Manual



Please read this manual before switching the unit on.
Important safety information inside.

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1.Features

- Available for very low air velocity measurement
- Slim probe, ideal for grilles & diffusers
- Records maximum/minimum readings
- LCD display with backlight, dual display function
- Data hold
- Multi-function for air flow measurement: m/s,km/h,ft/min,MPH
- Build in temperature(℃/℉)/ & humidity measurement
- Auto power off, about 20 minutes.
- Low battery indication
- Bluetooth 4.0, you could upload the data to your phone in real time.
- App supports data record function and CFM (per cm2) function
- Rechargeable 3.7V Lithium Battery, use 5v USB charging.
- Charge power output: voltage 5～6.5V; current: 2500mA.

2.Specifications

Function	Range	Resolution	Accuracy
m/s(meter per second)	0.1～25.0m/s	0.01m/s	±5%+0.03ms
km/h(kilometer per hour)	0.3～90.0km/h	0.1km/h	±5%+0.1km/h
ft/min(feet per minute)	20～4925ft/min	1ft/min	±5%+6ft/min
MPH(miles per hour)	0.2～55.8mph	0.1mph	±5%+0.1mph
Air temperature	-20℃～60℃ (-40℉～140℉)	0.1℃/0.1℉	±1℃/1.8℉@Air Velocity>0.3m/s
			±2℃/3.6℉@Air Velocity<0.3m/s
Relative Humidity	0%～100%RH	0.1%RH	±3.5%RH (20～80%RH)
			±5%RH(0～20%, 80～100%RH)

3.Display Elements

1.Bluetooth
2.Data hold
3.Auto power off
4.Power
5.Air velocity units.
6.Primary Display: air velocity, recording data
7.Temperature units
8.Humidity units
9.Secondly display: temperature or Humidity data
10.Temperature/set/max/min symbol
11.Velocity symbol

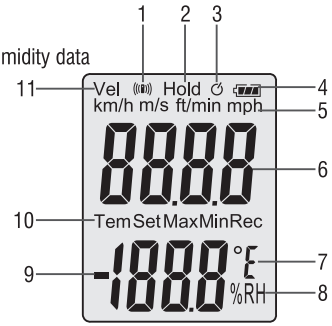
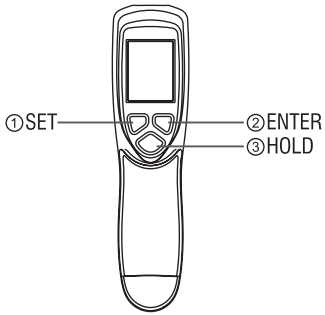


fig 1

4.Keys operation

①SET
②ENTER
③HOLD



- **Open Meter**

  Short press ②ENTER to turn on, it will show below similar main page:



fig 2

- **Shutoff Meter**

  Long press the ②ENTER to turn off.

- **Velocity zero clearing**

  Long press ③HOLD to reset the null point of Velocity:

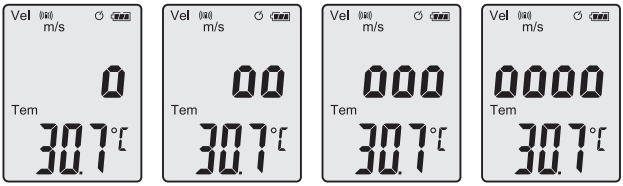


fig 3

This function is used to reset zero point when it is not accurate. Please don't free to use to avoid affecting the accuracy.

- **Changing temperature/humidity**

  Short press ①SET to change Temperature/ Humidity measurement:

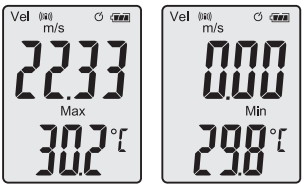


fig 4

  Short press ①SET again will return temperature measurement.

- **MAX/MIN**

  Short press ②ENTER to enter max/min:



MAX page MIN page

fig 5

In this page:

Short press ②ENTER to change max or min value.

Short press ③HOLD to change Temperature/ Humidity value.

Long press ①SET to exit max/min and return the page of figure 2.

Entering max/min mode, start to record max/min value, if exiting this mode, the data will be empty.

- **Data Hold**

  Short press ③HOLD to lock the data value:



fig 6

Short press ③HOLD again will unlock the page of figure 5 and return to figure2.

- **Temperature unit Setting**

  Long press ①SET to enter temperature unit setting:

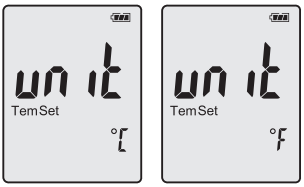


fig 7

The temperature unit is flashing:

- Short press ③HOLD to change unit, press again to enter velocity unit setting;
- Short press ②ENTER to confirm the temperature unit, and then enter velocity unit setting directly;
- Short press ①SET to return previous page;
- Long press ①SET to exit Setting mode and return to figure 2.

- **Velocity unit Setting**

Long press ①SET to enter Setting Model, and then velocity unit setting from temperature unit:

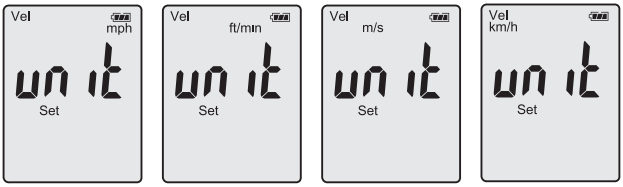


fig 8

- Short press ③HOLD to change velocity unit: mph, ft/min, m/s and km/h;
- Short press ②ENTER to confirm velocity unit and then enter Bluetooth setting directly;
- Short press ①SET to return previous page;
- Long press ①SET to exit Setting mode and return to figure 2.

- **Bluetooth Setting**

Long press ①SET to enter Setting mode, and then enter Bluetooth setting from velocity unit:

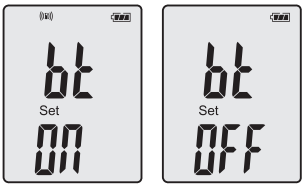


fig 9

- Short press ③HOLD to change ON or OFF Bluetooth;
- Short press ②ENTER to confirm ON/OFF Bluetooth, and then enter auto power off setting directly;
- Short press ①SET to return previous page;
- Long press ①SET to exit Setting mode and return to figure 2.

• **Auto power off Setting**

Long press ①SET to enter Setting Model, and then enter auto power off setting from Bluetooth mode:

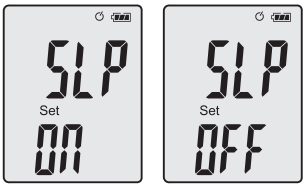


fig 10

- Short press ③HOLD to change ON/OFF auto power off;
- Short press ②ENTER to confirm ON/OFF auto power off, and then enter the temperature unit setting again.
- Short press ①SET to return previous page;
- Long press ①SET to exit Setting mode and return to figure 2.

5.Measuring Procedure

1. Short press ②ENTER to open meter
2. Sliding sensor cover to the down position, let the air velocity sensor to contact the air, refer to Fig 11.



3. Put the probe into measurement area.

6.Notice

Keep meter clean.

Please close the sensor cover after used.

Make sure the battery is full when used and try not to use the meter when charging.

Take out the battery if the meter is not used for a long time.

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