

Features

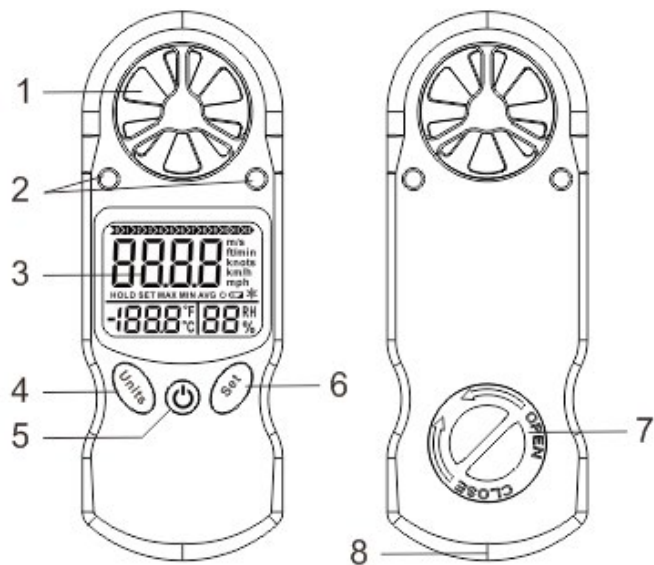
- ✓ Air Velocity Measurement Range: 0.3 to 30m/s ($\pm 5\%$)
- ✓ Temperature Measurement Range: -10 to 50°C ($\pm 1^{\circ}\text{C}$)
- ✓ Humidity Measurement Range: 0% - 99% ($\pm 5\%$ at 20% - 90%)
- ✓ Air Velocity Unit Selection: m/s, ft/min, knots, km/h, mph
- ✓ Beaufort scale
- ✓ $^{\circ}\text{C}$ / $^{\circ}\text{F}$ selection
- ✓ Max/Min/Avg Reading Selection
- ✓ Hold Function
- ✓ Wind-chill Indication
- ✓ Low Battery Warning
- ✓ Auto Power Off (with override function)
- ✓ Calibration Function
- ✓ Resolution: 0.1m/s , 1% , 0.1°C

DA-100



Product description

1. Vane Impeller
2. Temperature & Humidity Sensors
3. LCD with Blue Backlight
4. Wind Speed Unit & Temperature selection
5. Power Button
6. Set function Button
7. Battery Cover
8. Lanyard Attachment Point

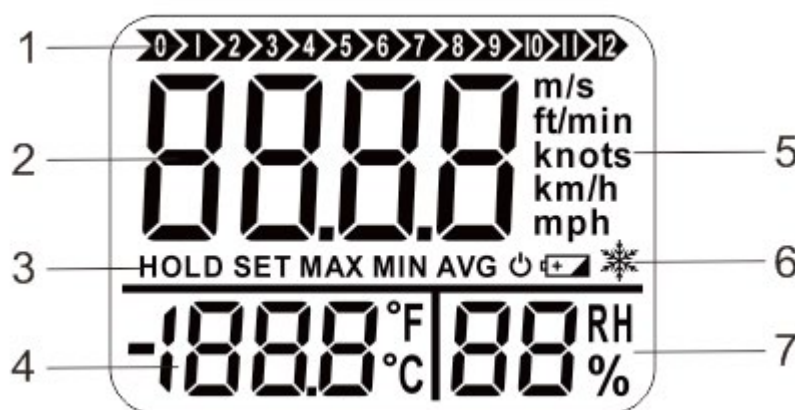


Specification

Wind speed range				
Unit	Range	Resolution	Threshold	Accuracy
M/s	0 ~ 30	0.1	0.1	$\pm 5\%$
Ft/min	0 ~ 5860	19	39	
Knots	0 ~ 55	0.2	0.1	
Km/hr	0 ~ 55	0.2	0.3	
Mph	0 ~ 65	0.2	0.2	

Temperature and Humidity range			
Unit	Range	Resolution	Accuracy
°C	-10 ~ 50	0.1	±1
°F	14 ~ 122	0.1	±2
%RH	20 ~ 90%	1	±5%
Battery	CR2032 2.0V		
Operating temperature	-10 ~ 50°C(14 ~ 122°F)		
Operating humidity	≤90%		
Current consumption	About 2.5mA		
Weight	60g		

LCD Display



1. Beaufort Scale
2. Primary Display for Air Velocity
3. **HOLD:** Displayed when meter is on hold function
SET: Displayed when meter is in calibration mode
Max: When is this mode the meter will display the maximum speed the Air velocity has reached
Min: When is this mode the meter will display the minimum speed the Air velocity has reached
AVG: When is this mode the meter will display the average speed the Air velocity has reached
4. Temperature Display (°C/°F switchable)
5. Air Velocity measurement options:
 - **m/s:** Meters per Second
 - **ft/min:** Feet per Minute
 - **knots:** Knots
 - **km/h:** Kilometers per Hour
 - **mph:** Miles per Hour




6. Symbols

	Displayed when the Auto Power Off Function is overridden
	This warning will display when the battery is low on power
	This warning displays to indicate wind chill when the temperature is below °C

7. Relative Humidity Display (RH)

Operation

1. Turning on and off your Meter

- a. Press the  **button** to turn on your meter. After 10 minutes without any operation the meter will power off.
- b. **To override the Auto Power Off** hold down the **Set button** then press the  **button** to turn on. **Warning**, the meter will stay on until the battery runs out unless you **turn off by holding down the**  **button**.


2. Selecting Air Velocity & Temperature Units of Measure

- a. Quick short presses of the **Unit Button** will select the wind speed units of measure view (m/s, ft/min, knots, km/h, mph).
- b. An extended press of the **Unit Button** will select the temperature units view °C / °F.

3. Selecting Type of Reading (Maximum, Minimum, Average, Hold, Normal)

- a. A short press of the **Set Button** will select MAX/MIN/AVG reading. When none are displayed on the LCD you are viewing the current normal reading.
- b. An Extended press of the **Set Button** will hold the reading.

4. Backlight

- a. The Backlight will turn off after 10 seconds without use. To override hold down the **Units Button** then press the  Button. The Backlight will then illuminate constantly.

5. Relative Humidity (RH)

Relative humidity is the amount of moisture in the air compared to what the air can "hold" at that temperature. When the air can't "hold" all the moisture, then it condenses as dew. RH is effected by wind speed, i.e. the more powerful the wind the less moisture there will be in the air.

6. Calibration Mode! WARNING! THIS SHOULD ONLY BE CARRIED OUT BY TRAINED PROFESSIONALS AT AN ACCREDITED CALIBRATION FACILITY!

In the event where calibration is required, please follow these steps:

Step 1: Turn on the meter, then press **Set Button** and **Units Button** at the same time to enter the calibration;

Step 2: Press **Units Button** to choose the Mode **1-wind speed; Mode 2-temperature; Model 3-humidity**; then press **Set Button** to enter the method.

Step 3: Press **Units Button** to choose the jumping number, Press **Set Button** to adjust the reading.

Step 4: Press the **Power Button** to store the setting.

Warning! Your warranty is void if this procedure is carried out by an untrained individual and/or at a non-accredited calibration facility which is not universally recognized.

Battery Replacement

If the meter does not power on as usual or the low battery icon  appears on the LCD, replace with a new CR2032 Lithium Battery. To do this, turn the battery compartment cover in a counterclockwise direction to remove it.

Remove the old battery and insert a new battery face up, with the bottom side in contact with the two pins.

Dispose of the battery in an environmentally safe and sound manner at a recycling point.

DO NOT DISPOSE OF IN YOUR BIN!

Caution

- This meter is accurate at low and mid-range air speeds. Consistent use at very high speeds, i.e. from the window of a fast moving car will damage the impeller's bearing and reduce accuracy.
- This meter is not a personal safety device.

Trouble Shooting

1. **Power on but no display or the display disappears**

- a. Check the battery is in place with good contact to the pins and the correct way up.
- b. Remove battery for one minute and re-install.
- c. Replace the battery.

2. **For all other issues please contact your supplier.**

Warranty

This meter has a one year warranty for a period of one year from date of purchase.

This warranty covers normal operation and does not cover batteries (including leaks), misuse, abuse, alteration, tampering, neglect, improper maintenance or improper calibration. Nor can the warranty be used as an excuse for a false claim simply because you have changed your mind after the initial 14 day period.

Proof of purchase is required for warranty repairs.