

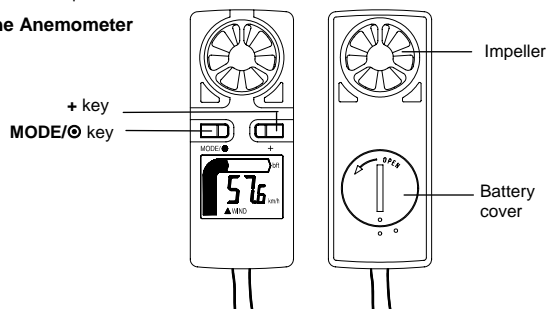
# Hand held Anemometer

## Operating Manual

### Introduction:

Congratulations on purchasing this pocket-sized anemometer, this innovative product provides wind speed, wind chill and temperature information for any outdoor activities. The operation of this product is simple and straightforward and by reading this operating manual, users will receive the optimum benefits of all its features.

### The Anemometer



### Features:

- Wind speed measure in mph, Km/h, m/s or Knots
- Wind speed in Beaufort wind scale bar graph
- Wind chill display
- Temperature display in degrees Celsius or Fahrenheit
- LCD back-light
- Auto power OFF
- Neck band included
- Water resistance

### Setting up:

1. Firstly, use a large coin to open the battery cover at the back of the anemometer as indicated above.
2. Checking the correct polarization, insert 1 x 3V (CR2032) lithium cell, positive (+) pole up into the battery compartment and replace the cover.
3. When the battery is inserted, all the segments of the LCD and back-light will light up briefly.

Your anemometer is now operational.

### Note:

After inserting the battery, test the anemometer by blowing directly at the Impeller for about 30 seconds. The reading on the LCD should change. If it is not the case, remove the battery. Wait for 30 seconds, and re-insert the battery again.

### Function keys:

The anemometer uses the following keys:

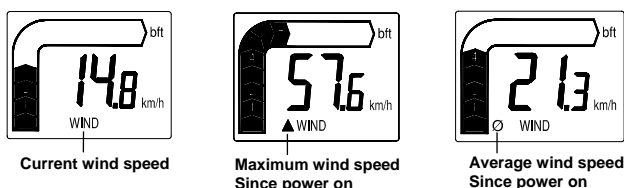
- MODE/° key** :
- To toggle between wind speed and temperature/wind chill display
  - Power ON/OFF
  - To enter the setting node
  - Back-light-On
- + Key (PLUS)** :
- To change operation mode
  - To change parameter in setting mode
  - Back-light-On

### Selection of operation mode

There are two modes, one is **wind speed**, and another is **temperature**. By pressing the "MODE/°" key the display will toggle between wind speed and temperature/wind chill

### Wind speed Mode

The wind speed mode can be selected into 3 different displays at any time.



To toggle between current wind speed, maximum wind speed and average wind speed, simply press the "+" key:

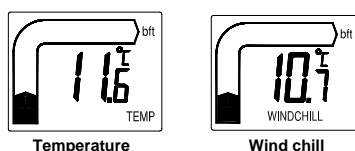
### Beaufort wind scale (bft)

The Beaufort scale is displayed in bar graph (0-12). This is a system for estimating wind force without the use of instruments based on the visible effects of the wind on the physical environment.

Force	Description	Kts	m/s	Km/h	mph
0	Calm	0	0	0	0
1	Light Air	1	0.5	1.8	1.1
2	Light Breeze	4	2.1	7.4	4.6
3	Gentle Breeze	7	3.6	13.0	8.1
4	Moderate Breeze	11	5.7	20.4	12.7
5	Fresh Breeze	17	8.8	31.5	19.6
6	Strong Breeze	22	11.3	40.8	25.4
7	Near Gale	28	14.4	51.8	32.3
8	Gale	34	17.5	63.0	39.2
9	Strong Gale	41	21.1	75.9	47.2
10	Storm	48	24.7	88.9	55.3
11	Violent Storm	56	28.8	103.7	64.5
12	Hurricane	64	32.9	118.5	73.7

### Temperature and Wind chill Mode

The Temperature and wind chill modes can be selected into 2 different displays at any time.



By pressing the "+" key the display will toggle between temperature and wind chill. When the temperature is outside the range from -29.9°C to +59°C, there will be no wind chill measurement.

### Wind chill

The anemometer calculates automatically wind chill, which can provide useful information for preparing outdoor activities in cold weather. "Wind chill" provides an indication of how cold it feels given the combined effects of the actual air temperature and the wind speed.

### Power ON/OFF:

Press and hold down the "MODE/°" key for 2 seconds to switch ON/OFF.

### Note:

The anemometer is automatically switched OFF when no key is pressed in 34 minutes.

### Manual setting

Before entering the manual setting mode, switch off the anemometer.

Press and hold down the "MODE/°" key for about 4 seconds, the speed unit will start flashing on the LCD when the manual setting mode is entered.

### Measurement scale setting

1. After entering the manual setting mode, press "+" key to set the measurement scale in Km/h (Kilometers per hour), mph (miles per hour), m/s (meters per seconds) or Kts (Knots).
2. Now press the "MODE/°" key to confirm and enter the "°C and °F setting".

### °C and °F setting:

1. Following from the measurement scale Setting °C will be flashing, use the "+" key to toggle °C and °F.
2. Once the desired temperature unit has been chosen, press the "MODE/°" key to confirm and enter the "Average time for current speed measurement setting".

### Average time for current speed measurement setting

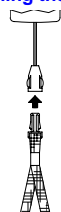
The current wind speed can be measured in average wind speed in a time interval 2-10 seconds

1. Following from the °C and °F Setting, press "+" key to set the desired average time. The range runs from 2 to 10 seconds.
2. Once the desired average time has been chosen, press the "MODE/°" key to confirm and back to the normal mode.

### LCD back-light:

The LCD back-light is automatically switched ON when any one of the 2 function keys are pressed and held down about 2 seconds. The back-light will be switched on for approximately 8 seconds before automatically switching OFF.

### Fastening the necklace



The carry necklace is supplied with the anemometer.

To fasten, simply insert the clip of the necklace into the buckle end of the anemometer until it clicks into place.

To unfasten, simply press both sides of the clip until it can be removed from the buckle.

### Battery change:

It is recommended to replace the battery in the unit on an annual basis to ensure optimum accuracy of this unit.



Please help in the preservation of the environment. Return used batteries to an authorised depot.

### Maintenance:

- Avoid placing anemometer in areas prone to vibration and shock as these may damage and inaccurate readings.
- Avoid exposure to sudden changes in temperature such as direct sunlight, extreme cold and wet or moist conditions.
- When cleaning the display and casing, use a soft damp cloth only. Do not use solvents or scouring agents as they may mark the LCD and casing.
- Do not make or attempts to make any repairs to the anemometer. Return it to its original point of purchase for repair by a qualified engineer. Opening and tampering with the unit may invalidate its guarantee.

### Specifications:

Recommended operating temperatures : -29.9°C to +59°C with 0.1°C resolution ("---" displayed if outside this range)

Temperature checking interval : every 10 seconds

Wind speed measuring range : Minimum 0.2 m/s

Maximum 30 m/s

Wind speed accuracy : ±5% or ± least significant digit

Power source : 1 x 3V lithium cell (CR2032)

Battery life : Approximately 12 months

(The battery life might be shorter than 12 months depending on the use of the backlight.)

Dimensions (L x W x H)

: 39 x 17 x 98 mm

### Liability Disclaimer:

- The manufacturer and supplier cannot accept any responsibility for any incorrect readings and any consequences that occur should an inaccurate reading take place.
- This product is not to be used for medical purposes or for public information.
- The specifications of this product may change without prior notice.
- This product is not a toy. Keep out of the reach of children.
- No part of this manual may be reproduced without written consent of the manufacturer.