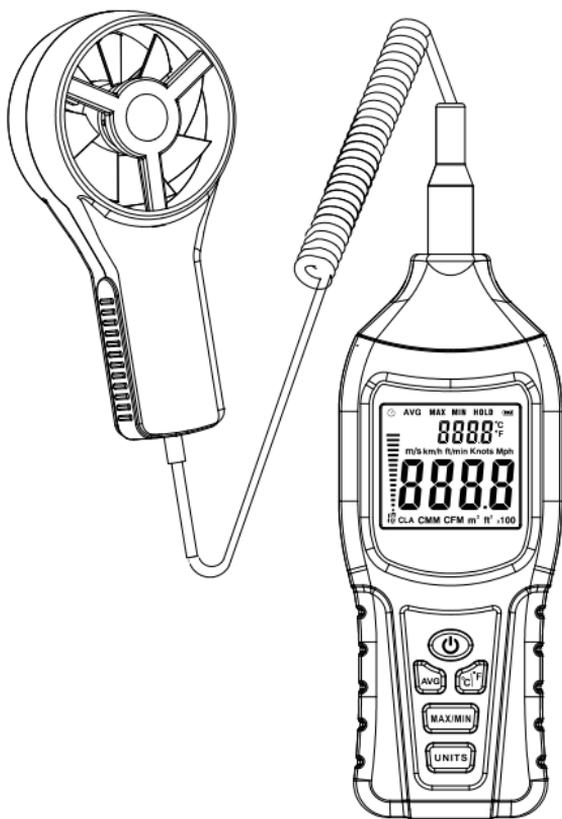


User's Manual – COOL-US

Professional Anemometer



*Please read this user's manual thoroughly before using this unit
and keep it properly for your future reference.*

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1. Safety

Read the following safety information carefully before attempting to operate or service the meter.

Use the meter only as specified in this manual; otherwise, the protection provided by the meter may be impaired.

◆ Environment conditions:

RH≤90% (Non-Condensation)

Operating Temperature: -10°C ~ 60°C

◆ Maintenance

Repairs or servicing not covered in this manual should only be performed by qualified personnel.

Wipe the unit with a dry soft cloth. Do not use abrasives or solvents on this instrument.

◆ Safety Symbol

 Comply with EMC

2. General Description

The Anemometer is designed for measuring air velocity, air flow and temperature. Super large easy-reading backlit LCD displays air velocity, temperature and air velocity level at the same time.

Use the strict tested meter only as specified in this manual.

3.Features

Circuit: based on fast and high accurate MCU design

High accuracy NTC resistance for air temperature measuring

Super large backlit LCD displays air velocity, temperature and air velocity level at the same time for easy-reading

Air velocity level indication

Low voltage battery indication

MAX/MIN/AVG/HOLD function

4.Specifications

Air Velocity Range	-30°C ~ 60°C (-22°F ~ 140°F)	
	0.4 ~ 30 m/s	0.8 ~ 58.3 Knots
	0.9 ~ 67 MPH	78.7 ~ 5905 ft/min
	1.4 ~ 108 Km/h	
Air Temp. Accuracy	±1.5°C (±2.7°F)	
Air Velocity. Accuracy	±3%±0.1	
Resolution	0.1	
Sampling rate	1 time per second	
Operating temperature	-20°C ~ 60°C (-4°F ~ 140°F)	
Operating humidity	<90%RH (Non-condensation)	
Storage temperature	-30°C ~ 60°C (-22°F ~ 140°F)	
Storage humidity	<80%RH	
Air velocity level indication	level 0-16 with analog bar-graph	
Measurement average	average reading of the latest 10 records	
Maximum / Minimum	MAX/MIN	
Reading freezing	HOLD	
Area set	0.001 ~ 9999 m ² (0.001 ~ 9999ft ²)	
Power Supply	one 9V battery with type of 006P,NEDA1604 or IEC6F22	

Auto power off	Automatically power off after approx. 15 minutes of inactivity
Display	4 digits LCD display
Battery life	at least 30 hours
Dimension(L*W*H)	158*62*32mm
Weight	292g

5.Meter Description



① Air Velocity Sensor

② LCD display

③ Temperature Units Selection

④ MAX/MIN/HOLD Button

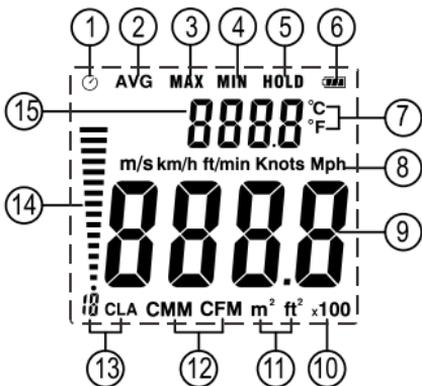
⑤ Velocity Units Selection

⑥ AVG/Backlight Button

⑦ Power ON/OFF

⑧ Battery cover

6.LCD Display Description



- ① Timing shutdown Icon
- ② AVG Icon
- ③ MAX Icon
- ④ MIN Icon
- ⑤ HOLD Icon
- ⑥ Battery Icon
- ⑦ Temperature unit
- ⑧ Air Velocity Units: m/s, km/h, ft/min, knots (nautical miles per hour),Mph
- ⑨ Air Velocity readings
- ⑩ $\times 100$ (100times for air volume reading)
- ⑪ Area units: m^2 , ft^2
- ⑫ Air flow units: CMM (cubic meter per minute), CFM(cubic feet per minute)
- ⑬ Air Velocity level indication
- ⑭ Analog bar-graph indication for air velocity level
- ⑮ Measuring temperature readings

7. Operating Instructions

Open battery cover and install a 9-volt battery in the battery compartment.

Power ON: Turn the meter on by pressing "" button for 1 second until the LCD is lighted, then release the button.

Power OFF: Turn the meter off by pressing and holding "" button for approx. 3 seconds until the LCD is switched off, then release the button.

"" icon, When the low battery icon "" appears, replace the meter's battery.

(5)  Auto power off icon, the meter will automatically turn off after approx. 15 minutes of inactivity.

(6) Backlit After turning the meter on, momentarily press "" button, the backlit will be on/off, it will automatically turn off after approx. 30 seconds of inactivity.

(7) Units selection: After enter measuring mode, press "" button to select desired units.

(8) HOLD: Press "" button one time, "HOLD" icon will appear on LCD, which indicates the reading is freed. Press the

button again to exit HOLD mode.

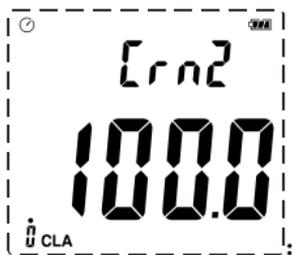
(9) MAX/MIN: Press "" button one time until "MAX" icon appears on the LCD to view the current MAX reading; press the button again, "MIN" icon will appear to view the current MIN reading. To exit the MAX/MIN mode, press the "" button again.

(10) AVG Button: Press "" button one time, 'AVG' will appear on LCD, the meter enter to average measuring mode, the average reading of the latest 10 records will be displayed on the LCD.

(11) Temperature Units selection: Press "" button to select °C or °F.

(12) Area Set

Press "" button and then power the meter on, release "" button when LCD displays, at the time the display will show as following (Note: the area units can be setted by press "" button for 3seconds)



Set the area units as square centimeter (fig. as above)

Press “” to increase the data, press “” to decrease the data



Set the area units as square meter (fig. as above)

Press “” to increase the data, press “” to decrease the data



Set the area units as square feet (fig. as above)

Press “” to increase the data, press “” to decrease the data

Press “” to times increase the data, press “” to times decrease the data

Air volume



Air volume display x 100 the actual volume = displayed data * 100

8. Notes

This meter has already been calibrated before delivery. Do not revise the calibration parameters without professional personnel and device. The recommended calibration period is one year.

Repairs or servicing not covered in this manual should only be performed by qualified personnel.

Do not use it in the area with high temperature of humidity.

Wipe the unit with a dry soft cloth. Do not use abrasives or solvents on this instruments.

Remove the battery when the meter is to be stored for long periods of time to avoid battery leakage.

9. Accessories

① Sensor

② User's manual

③ 9V battery

