User Manual
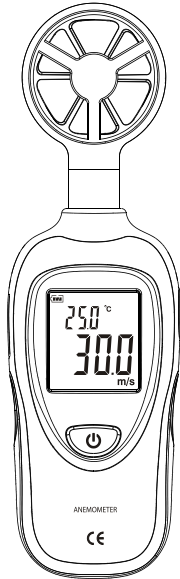## Mini Anemometer

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

1. ⚠ Safety

Read the following safety information carefully before attempting to operate the meter.
Use the meter only as specified in this manual; otherwise, the warranty may be invalidated.

◆ **Environment conditions:**

Altitude lower than 2000 meters

RH≤90％（Non-Condensation）

Operating Temperature: -20 ~ 60℃

◆ **Maintenance**

Repairs or servicing should only be performed by ATP Instrumentation Ltd.

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

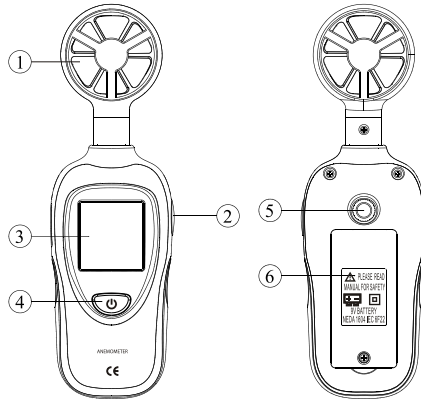◆ **Safety Symbol**

CE Complies with EMC

2. Introduction

The Mini Anemometer is designed for all kinds of air velocity and temperature measuring projects including quality control, environmental tests, maintenance of ventilation and air conditioning systems, health and safety checks etc. It is widely used for air velocity and temperature measurement at constructional engineering sites, factories, schools, supermarkets and households etc.

3. Specifications

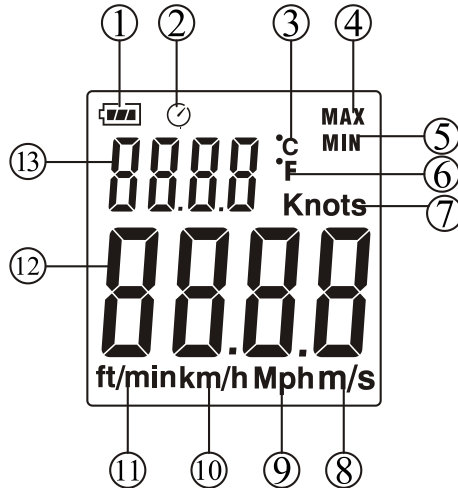| Air Velocity Range	Resolution	Accuracy
0.4 ～ 30 m/s	0.1 m/s	±(3% + 0.3 m/s)
1.4 ～ 108 Km/h	0.1 Km/h	±(3% + 1.0 Km/h)
0.9 ～ 67 MPH	0.1 MPH	±(3% + 0.4 MPH)
0.8 ～ 58 knots	0.1 knots	±(3% + 0.4 knots)
80 ～ 5900 ft/min	1.0 ft/min	±(3% + 40 ft/min)
Display	3 digits LCD display	
Sampling time	1 sample per second	
Maximum reading hold	MAX/MIN	
Temperature Range	-30℃ ～ 60℃（-22℉～140℉）	
Temperature units	℃ / ℉	
Temperature accuracy:	±1.5℃（±2.7℉）	
Measurement units	m/s, Km/h, Knots, MPH, ft/min	
Auto power off	Auto power off after approx. 15 minutes of inactivity	
Power supply	1x 9V battery	
Battery life	at least 30 hours	
Operating conditions	Temperature:-20 ~ 60℃	Humidity: 10 ~ 90％RH
Storage conditions	Temperature:-20 ~ 60℃	Humidity: 10 ~ 75％RH
Dimension	175 x 55 x 38mm	
Weight	90g	

4. Meter Description

① Vane sensor

② MAX/MIN button

③ LCD display

④ Power ON/OFF button

⑤ ¼" Tripod bush

⑥ Battery compartment

5. LCD Display Description

① Low battery indication

② Auto power off icon

③ Temperature unit: ℃

④ MAX icon

⑤ MIN icon

⑥ Temperature unit: ℉

⑦ Velocity unit: Knots

⑧ Velocity unit: m/s

⑨ Velocity unit: Mph

⑩ Velocity unit: km/h

⑪ Velocity unit: ft/min

⑫ Velocity readings

⑬ Temperature readings

6. Preparation

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

(2) When the low battery icon "⬜" appears, replace the meters battery.

(3) Place the vane sensor towards the air stream to start measuring the air velocity and air temperature.

7. Operation Instruction

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

(2) Power OFF：To turn the meter off, press and hold the "⬤" button for approx. 3 seconds until the LCD switches off, then release the button.

(3) When the low battery icon "⬜" appears, replace the meters battery.

(4) Auto power off: the meter will automatically turn off after approx. 15 minutes of inactivity.

(5) Backlight: After turning the meter on, momentarily press the "⬤" button and the backlight will turn on. It will automatically turn off after approx. 30 seconds of inactivity.

(6) MAX/MIN & Measurement Units:

Measurement Units: Press and hold the "MAX/MIN" button for at least 3 seconds, the measurement units will convert from m/s, Km/h, Knots, MPH to ft/min in turn.

MAX/MIN: Press "MAX/MIN" 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 "MAX/MIN" button again.

(7) ℃/℉ temperature units

When the meter is powered off, press and hold the "MAX/MIN" button, then power the meter on. After the LCD displays, release the button and the temperature units ℃/℉ will alternate.

8. Notes

(1) This meter has already been calibrated before delivery.

(2) Repairs or servicing should only be performed by ATP Instrumentation Ltd.

(3) Do not use it in areas with high temperature of humidity.

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

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

9. Accessories

◆ User Manual

◆ 9V battery

◆ Tripod (Optional)

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