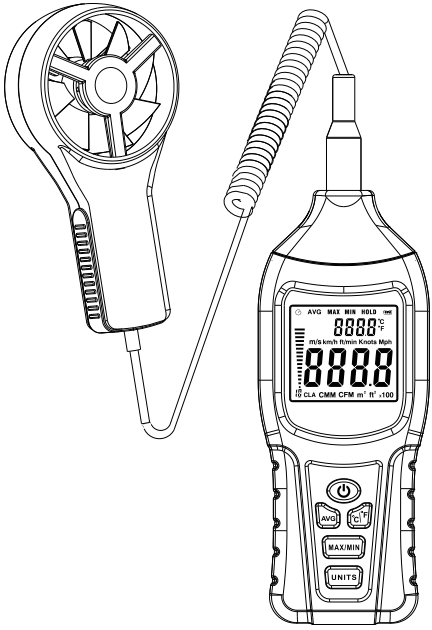
User Manual

Professional Anemometer



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

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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:

RH≤90％（Non-Condensation）

Operating Temperature: -20°C ～ 60°C

◆ 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 Anemometer is designed for measuring air velocity, air flow and temperature. 35mm high contrast easy-read backlit LCD display with function indicators for air velocity, temperature and air velocity level, shown at the same time.

3. Features

Circuit: based on fast and high accurate MCU design

High accuracy NTC resistance for air temperature measuring

Air velocity bar graph indicator

Low voltage battery indication

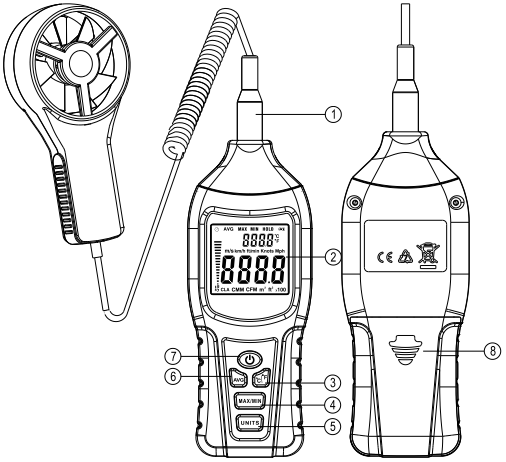
MAX/MIN/AVG/HOLD function

4. Specifications

Air Velocity Range	-30℃～60℃(-22℉～140℉)	
	0.4～30 m/s	0.8～58 Knots
	1～67 MPH	80～5900 ft/min
	1.4～108 Km/h	
Air Temp. Accuracy	±1.5℃(±2.7℉)	
Air Velocity Accuracy	±3%±0.1	
Resolution	0.1	
Sampling rate	1 time per second	
Operating temperature	-20℃～60℃(-4℉～140℉)	
Operating humidity	<90%RH（Non-condensation）	
Storage temperature	-30℃～60℃(-22℉～140℉)	
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	1x 9V battery with type of 006P,NEDA1604 or IEC6F22	

Auto power off	Automatically power off after approx. 15 minutes of inactivity
Display	4 digit 35mm LCD display
Battery life	at least 30 hours
Dimension(L*W*H)	158*62*32mm
Weight	292g

5. Meter Description



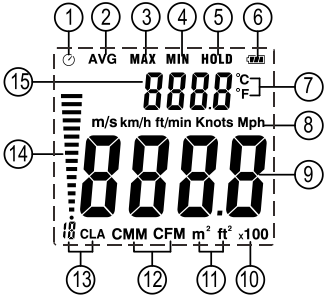
①Air Velocity Sensor ②LCD display

③Temperature Units Selection ④MAX/MIN/HOLD Button

⑤Velocity Units Selection ⑥AVG/Backlight Button

⑦Power ON/OFF ⑧Battery cover

6. LCD Display Description



①Timing shutdown Icon ②AVG Icon

③MAX Icon ④MIN Icon

⑤HOLD Icon ⑥Battery Icon

⑦Temperature unit

⑧Air Velocity Units: m/s，km/h，ft/min，knots (nautical miles per hour), MPH

⑨Air Velocity readings

⑩×100 (100 times for air volume reading)

⑪Area units: m^2, ft^2

⑫Air flow units: CMM (cubic meters per minute),
CFM (cubic feet per minute)

⑬Air Velocity level indication

⑭Analog bar-graph indication for air velocity level

⑮Measuring temperature readings

7. Operating Instructions

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

Power ON：To turn the meter on, press the " " button for 1 second until the LCD is lit, then release the button.

Power OFF：To turn the meter off, press and hold the " " 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) LCD Backlight: After turning the meter on, momentarily press " " button, the backlight will turn 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 frozen.

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 and the meter will enter the 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 ℃ or ℉.

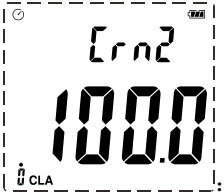
(12) Area Set

Press and hold the "

" button and then power the meter on, release "

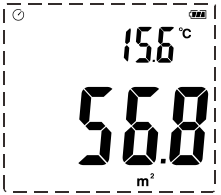
" button when LCD displays, at the time the display will show as following (Note: the area units can be set by press "

" button for 3 seconds)



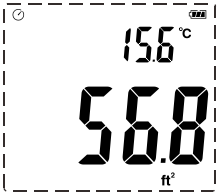
Set the area units as square centimeter (fig. as above)

Press“MAX/MIN”to increase the data，press“UNITS”to decrease the data



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

Press“MAX/MIN”to increase the data，press“UNITS”to decrease the data

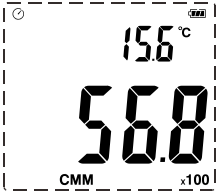


Set the area units as square feet (fig. as above)

Press “MAX/MIN” to increase the data，press“UNITS” to decrease the data

Press“AVG” to increase the data，press“℃|℉” to decrease the data

Air volume



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

8. Notes

1) This meter has already been calibrated before delivery.

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

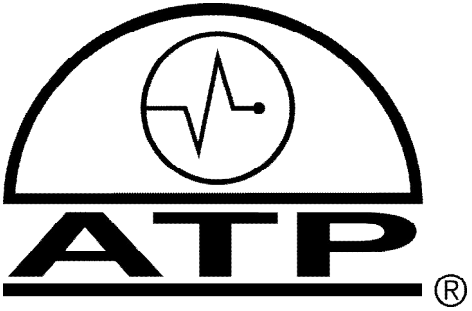
3) Remove the battery when the meter is to be stored for long periods of time to avoid battery leakage.

9. Accessories

① Sensor

② User manual

③ 9V battery



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