multicomp PRO

Thermo-Anemometer

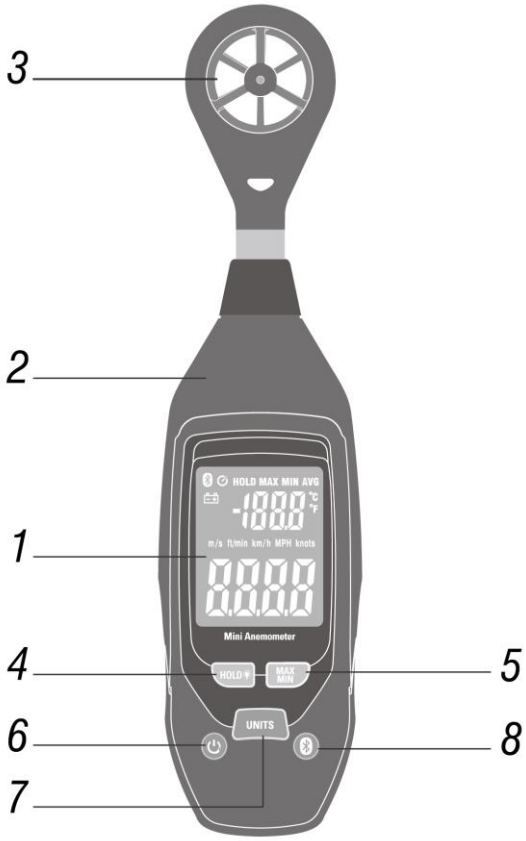
MP780860

1. Introduction

The Thermo-Anemometer measures Air velocity and temperature. Careful use of this meter will provide years of reliable service.

2. Meter Description

1. LCD Display
2. Body of meter
3. Fan
4. HOLD/ button
5. MAX/MIN button
6. Power on/off button
7. UNITS button
8. Bluetooth button



3. Button Description

Power on/off, Auto-power off:

Power on: Short press button“ ”to power on, system default auto power off. Long press on power on and disable auto power off function. Long press the button again to enable the auto power off function

Power off: Short press button “ ”to power off.

Auto-power off: Auto-power off signal “ ”displays in the left coner of LCD and the instrument will auto-power off in 10minutes of no button operations.

If press the power on/off button for over 1minutes, it will be recognized as faulty operation and the instrument will auto power off.

UNITS button: Short press to switch air velocity unit; Long press to switch temperature unit.

Button: Long press to active or deactive Bluetooth.

HOLD / button: Short press to hold the current data; Long press to activate or deactivate backlight.

MAX/MIN button: Short press to record Maximum, Minimum and Average readings of temperature and air velocity.

Note: MAX/MIN button is deactivated when hold the current readings.

4. Display Layout

: Bluetooth symbol
: Low battery indicator
: Timing power off symbol
MAX: Maximum reading of temperature/air velocity
MIN: Minimum reading of temperature/air velocity
AVG: Average reading of temperature/air velocity
HOLD: Hold the displayed temperature/air velocity readings.
°C / °F: Temperature measurement unit
m/s, ft/min, km/h, MPH, knots: Air velocity measurement unit.
Larger LCD digits at bottom of display is Air Velocity readings
Smaller LCD digits at top, right of display is Temperature readings

● Data Hold

Short press hold button to freeze the temperature and velocity readings, meanwhile, hold symbol displayed on LCD when measures. Press hold button again to return normal measurement.。

● Temperature and Air velocity measurement

1-Turn on the instrument by pressing power on/off button.
2-Press UNITS button to select unit of measurement. Note: After power on, the meter will display the preset unit before last power off.
3-Put the instrument in environment that is to be measured.
4-Observe readings on the LCD display, The larger digits displayed on main LCD is Air Velocity reading. The smaller digits displayed on upper right LCD is temperature reading.

● MAX/MIN/AVG reading

1-Press MAX/MIN button for the first time, the instrument will enter Max tracking mode, the tracked max reading will display on the LCD.
2-Press MAX/MIN button for the second time, the instrument will enter Min tracking mode, the tracked min reading will display on the LCD.
3-Press MAX/MIN button for the third time, the instrument will enter Avg tracking mode, the tracked average reading will display on the LCD.
4-Press MAX/MIN button for the fourth time, the current reading will display on the LCD.
Note： Avg mode will automatically stop in 2hours and the instrument will auto power off

● Bluetooth communication

Long press Bluetooth button to activate Bluetooth function, it communicates after connect with the software. The instrument can transmit measured datas and instrument status to software and the software can control the instrument.

The instrument will automatically turn off in order to lengthen the battery working life. When symbol appears on the LCD, please replace the old battery with new ones.
1-Open the battery compartment with a suitable screwdriver.
2-Replace 9V battery.
3-Mount the battery compartment again .

● Meterbox Pro Operation

Download Meterbox Pro APP to the smartphone before using the Bluetooth communication function.
Meterbox Pro APP is compatible with instruments with Bluetooth: Laser Distance Meters, Multimeters Clamp Meters, Multifunction Insulation Tester, Environment Meter etc.
The Meterbox Pro for Environment Meter detailed introduction please look at the help files in GUIDE Which is in the Environment Meter interface of Meterbox Pro.

5. Specifications

Air velocity	**Range**	**Resolution**	**Accuracy**
m/s	1.10 - 25.00m/s	0.01m/s	± (3% + 0.30 m/s)
km/h	4.0 - 90.0km/h	0.1km/h	± (3% + 1.0km/h)
ft/min	220 – 4920ft/min	1ft/min	± (3% + 40ft/m)
MPH	2.5 – 56.0MPH	0.1MPH	± (3% + 0.4MPH)
knots	2.2 – 48.0knots	0.1knots	± (3% + 0.4knots)
Air Temperature	-10~60℃(14~140℉)	0.1℃/℉	2.0℃(4.0℉)

Display	Dual line, 4-digit LCD
Display Update	2 times/sec
Sensors	Air velocity sensor: NTC-type precision thermistor
Automatic Power off	Auto shut off in 10 minutes without operation to preserve battery Life
Operating Temperature	0 to 50°C (32 to 122°F)
Storage Temperature	-10 to 60°C (14 to 140°F)
Operating Humidity	<80% RH
Storage Humidity	<80% RH
Operating Altitude	2000 meters (7000ft) maximum
Battery	One 9 volt battery
Low battery indication:	The low battery signal "🔋" flash when battery voltage drops below 7.2V; The backlight and low battery signal "🔋" flash twice when battery voltage drops below 6.5V, then auto power off.
Weight	172g
Dimensions	213*54*36mm

6. Unit of Measure Conversion Table

	m/s	**ft/min**	**knots**	**km/h**	**MPH**
1 m/s	1	196.87	1.944	3.6	2.24
1 ft/min	0.00508	1	0.00987	0.01829	0.01138
1 knot	0.5144	101.27	1	1.8519	1.1523
1 km/h	0.2778	54.69	0.54	1	0.6222
1 MPH	0.4464	87.89	0.8679	1.6071	1
°F= °C * 9/5+32					

INFORMATION ON WASTE DISPOSAL FOR CONSUMERS OF ELECTRICAL & ELECTRONIC EQUIPMENT.

When this product has reached the end of its life it must be treated as Waste Electrical & Electronic Equipment (WEEE). Any WEEE marked products must not be mixed with general household waste, but kept separate for the treatment, recovery and recycling of the materials used. Waste batteries can be returned to any waste battery recycling point which are provided by most battery retailers. Contact your local authority for details of recycling schemes in your area.

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PO Box 13362 Dublin 2

LS12 2QQ