

# User Manual

## Mini Humidity & Temperature Meter



**Please read this user manual thoroughly before using the 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 up to 2000 meters

RH≤90% (Non-Condensation)

Operating Temperature: -20~60°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**



### 2. Introduction

The Humidity & Temperature Meter has a high accuracy Humidity & Temperature sensor, providing high accuracy, fast response and stable readings.

### 3. Application

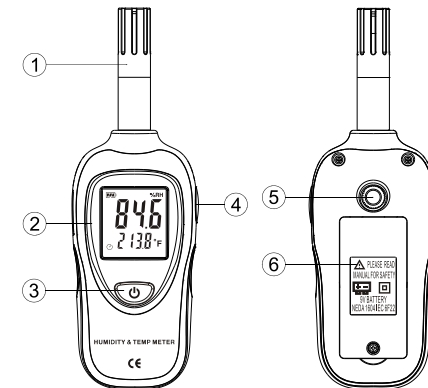
This meter is ideal for measurement of temperature and humidity in environmental applications, and is ideally suited for taking measurements in an air stream.

### 4. Specifications

	Measuring Range	Accuracy	Resolution
Humidity	0%~100%RH	20%~40%RH : ±3.0%	0.1%RH
		40%~60%RH: ±2.5%	
		60%~80%RH: ±3.0%	
		0%~20%RH 80%~100%RH: ±3.5%	
Temperature	-30°C~70°C -22°F~158°F	-30°C~-10°C (-22°F~14°F) : ±1.0°C (±1.8°F)	0.1°C
		-10°C~70°C (14°F~158°F) : ±0.5°C (±0.9°F)	
Response Time	1 second		
Sampling Rate	2 times per second		
Working Temp.	-30°Cto 60°C		
Power Resource	9V battery		
Dimension(L*W*H)	165 x 55 x 38mm		
Weight	88g		

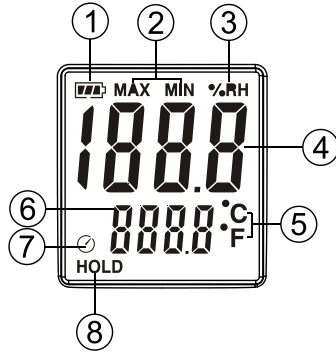
### 5. Meter Description

1. Temperature & Humidity sensor
2. LCD display
3. Power ON/OFF button
4. MAX/MIN button
5. Tripod nut
6. Battery cover



## 6. LCD Display Description

1. Low battery icon
2. MAX/MIN icon
3. Humidity icon
4. Humidity reading
5. °C/°F temperature icon
6. Temperature reading
7. Auto power off icon
8. Hold icon



## 7. Operation Instruction

- (1) Open battery cover and install a 9-volt battery in the battery compartment.
- (2) **Power ON:** Turn the meter on by pressing "⏻" button for 1 second until the LCD is lit, then release the button.
- (3) **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.
- (4) 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 the "⏻" button, the backlight will come on; it will automatically turn off after approx. 30 seconds of inactivity.
- (7) **Hold & MAX/MIN Function**

**HOLD:** After turning the meter on, press "MAX/MIN" button. The "HOLD" icon will appear on the LCD, which indicates the data is frozen. To release the held reading, press the button again.

**MAX/MIN:** Press and hold "MAX/MIN" button for at least 3 seconds until "MAX" icon appears on the LCD to view the MAX reading since power on; press the button again, the "MIN" icon appears on the LCD to view the MIN reading since power on. To exit the MAX/MIN mode, press and hold the button "MAX/MIN" for 3 seconds.
- (8) **°C/°F temperature units**

In the OFF mode, press and hold the "MAX/MIN" button, then power the meter on, after the LCD displays, release the button, the temperature units °C/°F will alternate.

- (9) Calibration

The recommended calibration period is one year.

## 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 User manual
- ② 9V battery