

# Mini Temperature & Humidity Meter

## User Manual

### Introduction

Congratulations on your purchase of the Precision Hygro-Thermometer. This device measures Humidity, Air Temperature. Advanced features include Auto Power Off, and MAX/MIN reading. Careful use of this meter will provide years of reliable service.

### Features

- Resolution 0.1%RH, 0.1°C/0.1°F
- Max Hold and Min Hold Function
- Micro Processor-based Design
- Dual Display Temperature & Humidity
- Auto Power Off, Disable Sleep Mode
- Backlight

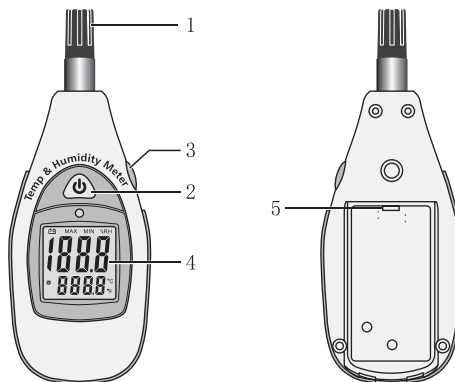
### Specifications

| Function    | Range &Resolution                 | Accuracy                                                 |
|-------------|-----------------------------------|----------------------------------------------------------|
| Humidity    | 0.0 to 100.0%RH                   | ±3.5%RH (20% to 80%)<br>±5%RH (0% to 20% & 80% to 100%)  |
| Temperature | -20.0°C to 60.0°C (-4°F to 140°F) | ±1°C (0°C to 40°C)<br>±2°C (-20°C to 0°C & 40°C to 60°C) |

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Display</b>                | Dual digital LCD display with backlight                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Sensor Type</b>            | A single chip relative humidity and temperature multi sensor module comprising a calibrated digital output                                                                                                                                                                                                                                                                                                                  |
| <b>Response Time</b>          | <15 seconds (90% of final value in moving air)                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Polarity</b>               | Automatic, (-) negative polarity indication                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Low battery indication</b> | The "  " is displayed when the battery voltage drops below the operating level.                                                                                                                                                                                                                                                          |
| <b>Operating Conditions</b>   | 0°C to 50°C (32°F to 122°F); < 80% RH non-condensing                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Storage Conditions</b>     | -40°C to 85°C (-40°F to 185°F); <99% RH non-condensing                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Auto Power Off</b>         | Meter automatically shuts down after approx .30 minutes of inactivity (Sleep Mode) To override Auto Power Off function (Non-Sleep Mode), firstly press the MAX/MIN button and hold, then press power button, after the display appears, release both buttons. Icon "  " will not shown on the LCD. The unit will not auto power off now. |
| <b>Power</b>                  | One standard 9V, NEDA1604 or 6F22 battery.                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Battery Life</b>           | Approx. 48 hours                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Dimensions</b>             | 10(L) x 55(W) x 32(H) mm                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Weight</b>                 | 135g                                                                                                                                                                                                                                                                                                                                                                                                                        |

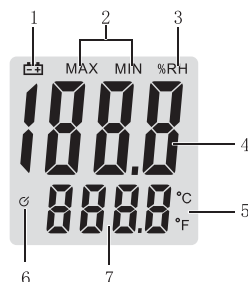
## Configuration

- 1-Humidity & Temperature Sensor
- 2-Power ON/OFF button
- 3-MAX/MIN button
- 4-LCD display
- 5-°C/°F switch



## Indicator

- 1-Low battery symbol
- 2-MAX or MIN Symbols
- 3-%RH symbol
- 4-Humidity value
- 5-°C/°F symbol
- 6-Auto power off symbol
- 7-Temperature symbol



## Function

### Power

Press the power button to turn power on or off.

### Humidity and air Temperature Measurements

- Hold the probe in the area to be tested & allow adequate time for readings to stabilize.
- Press °C/°F switch to enter selector °F or °C measurement.
- Read the Relative Humidity and Air Temperature.

NOTE: Do not immerse the probe in liquid, it is intended for use in air on.

### Minimum (MIN) Maximum (MAX) Function

The MIN/MAX mode allows the user to view only the lowest (MIN) or highest (MAX) readings.

- Press the MIN/MAX button once and "MAX" appears on the display. The LCD is now displaying the maximum reading of the selected parameter in the display. The display will not change until a higher reading is registered.
- Press the MIN/MAX button again and "MIN" appears on the display. The LCD is now displaying the minimum reading of the selected parameter in the display. The display will not change until a lower reading is registered.
- Press the MIN/MAX button for 3 seconds to exit the MIN/MAX mode, and the "MAX" or "MIN" icon will disappear.

Note: While powering on the meter per time, it restarts recording Minimum and Maximum and the recordings don't stop until the meter is turned off.

## Battery Replacement

If the sign "  " appears on the LCD display, it indicates that the battery should be replaced. Open the battery case and replace the exhausted battery with new battery. (1 x 9V battery NEDA 1604, 6F22 or equivalent)



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