EM10

TEMPERATURE / HUMIDITY /DEW POINT METER

Supco®

User Manual

■ Introduction

Thank you for purchasing the temperature/humidity/dew point meter from SUPCO. Please take a few minutes to browse through this user manual before you begin to operate the meter to ensure that you are fully familiarized with how best to operate the meter as accurately and safely as possible.

The meter is a temperature and humidity measuring instrument. It is normally used to measure the humidity and temperature in offices, storerooms, buildings and greenhouses.

1.1 Precautions safety measures

To get the best performance from this meter, please read this user manual carefully and observe the detailed safety precautions strictly.

1.1.1 During use

1. Do not touch the humidity sensor.
2. Don not expose the sensor to direct light, this causes a false reading.

3. Never store the product together with solvents, acids or other aggressive substances.

1.1.2 Maintaining the product

l Do not measure in a high ambient temperature location.

l When not using the instrument for a long time, please remove the battery and avoid locations with high temperature and high humidity.
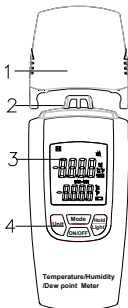
■ Features

1. Display: 4 digit LCD Display
2. Parameters: ℉,℃, %RH (relative humidity), Td (dew point temperature)
3. Resolution: 0.1℉, 0.1℃, 0.1%RH
4. Range: 14℉ to 122℉ (-10℃ to +50℃) 0 to 100%RH
5. Accuracy: ±1.8℉, ±1.0℃, ±3%RH（5 to 95%RH）
6. Sample rate: 1 time /sec
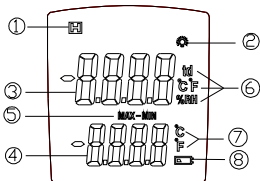
7. Auto power off: about 20 minutes

8. Operating Temperature:

   14℉ to 122℉ (-10℃ to +50℃)

9. Storage Temperature:

   -4℉ to +140℉ (-20℃ to +60℃)

10. Dimensions:

   4.76"(L) x 2.36"(W) x 1.18"(H)

   121mm(L) x 60mm(W)x 30mm(H)

11. Weight:

   6.35 oz. (app.) 180g (app.)

12. Accessories: DC1.5V (AAA) x 3, lanyard, manual

■ Instrument Description

1. Sensor cover
2. Sensor
3. LCD display
4. Function key

Temperature/Humidity
/Dew point Meter

I LCD Display

Symbol Designations:

1. Indicates Data Hold

2. Back light ON

3. Measurement

4. Measurement

5. Maximum / Minimize

6. Humidity units

7. Temperature units

8. Low Battery Indicator

■ Operating Instructions

*NOTE: In order to ensure the accuracy of the measurement readings, all the interference sources which may affect the measurement results about temperature and humidity (such as the hand) must be kept away from the sensor.

1. Press the **ON/OFF** key to turn the power on. The LCD will display the current value of temperature and humidity. The default humidity / temperature unit is % RH / ℃.

2. Press **Unit** to change the humidity / temperature units. The adjustable parameters are %RH (Relative Humidity), td(Dew-point Temperature), ℃, ℉; press

The **Mode** and **HOLD Light** keys to change MAX/MIN and HOLD mode.

3. Switching the back light on

When the meter is on, press **HOLD Light** key for more than 2 seconds; the back light will be turned on, and the

☀ icon will be displayed on the LCD. Press the key

again for more than 2 seconds and the backlight will be turned off, and the icon will disappear.

■ Function keys

1. ON/OFF key

Press the key to turn the power ON and press the key again for more than 2 seconds to turn the power OFF.

2. Mode key

Press the key to select MAX/MIN. The LCD will display the max/min values since the instrument was last switched on or last reset.

3. Unit key

Press the key to change the parameter units.
Adjustable units: %RH/℃,td/℃,%RH/℉,td/℉.

4. HOLD/Light key

When pressed, a 田 icon is displayed on the LCD and the readout is held. Press the key once more to cancel

the hold function.

Press the key for more than 2 seconds and the back light will be turned on, The ☼ icon will be displayed on the LCD. Press the key again for more than 2 seconds, and the backlight will be turned off; the icon will disappear.

5. **Auto power off setting**

The meter will power itself off after 20 minutes if there is no key operation.

To cancel auto power off function: Press the **Hold** key when power is on until the LCD displays **AP OFF**, then press the **Hold** key again to confirm the setting.

■ Maintenance

1. CLEANING INSTRUCTIONS

The meter may be wiped down with a wet sponge or cloth using a mild water based detergent.

NOTE:

This unit is not designed for complete submersion or washing in water.

2. BATTERY REPLACEMENT

Use the following procedure:

When the battery voltage drops below proper operation range the 🔋 symbol will appear on the LCD display and the battery needs to be replaced.

∞ Press the battery cover towards the arrowhead direction to open the battery cover.

∞ Replace the battery with three new AAA (1.5V) batteries.

∞ Replace the battery cover.

WARRANTY

Sealed Unit Parts Co., Inc. warrants that it will repair or furnish without charge a similar product to replace any product which, within the specified warranty term after the date of sale by the Wholesaler, is proved to the satisfaction of Sealed Unit Parts Co., Inc. , to have been defective at the time it was sold. Said warranty is in effect only when said item is used in accordance with the instructions and recommendations of Sealed Unit Parts Co., Inc.

This warranty applies only to products which after shipment from the factory, have not been altered, changed, repaired, or treated in any manner whatsoever.

This warranty to repair or replace is the only warranty either expressed, implied or statutory and is the only warranty being issued herein; Sealed Unit Parts Co., Inc.'s liability in connection with its products is expressly limited

to the repair or replacement of defective parts. All other damages and warranties, statutory or otherwise, are being expressly excluded.

No representative of Sealed Unit Parts Co., Inc. has authority to change this warranty in any manner whatsoever. No attempt to repair or promise to repair or improve any part covered by this warranty by any representative of this company shall be effective unless signed by a properly authorized officer of Sealed Unit Parts Co., Inc.

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