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## Rotronic Hygropalm 21

# Rotronic Hygropalm 21 Thermo Hygrometer User Manual

Model: Hygropalm 21 (EM-08NY-P68I)

## INTRODUCTION

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The Rotronic Hygropalm 21 is a portable thermo hygrometer designed for accurate measurement of temperature and relative humidity. This device is suitable for various applications requiring precise environmental monitoring. This manual provides essential information for the proper setup, operation, maintenance, and troubleshooting of your Hygropalm 21.



Figure 1: The Rotronic Hygropalm 21 Thermo Hygrometer, displaying current temperature and humidity values on its screen.

## SETUP

### 1. Battery Installation

The Hygropalm 21 is powered by a 9-volt battery.

1. Locate the battery compartment cover on the rear of the device.
2. Carefully slide or unclip the cover to open the compartment.
3. Insert a new 9-volt battery, ensuring correct polarity (+ and - terminals).
4. Replace the battery compartment cover, ensuring it is securely closed.

### 2. Initial Power-On

After battery installation, press and hold the **Power** button (red button with circle and vertical line) located on the front panel to turn on the device. The display will illuminate and show current temperature and humidity readings.



Figure 2: Close-up view of the control buttons on the Hygropalm 21, including Power, Menu, Up, Down, and Enter.

## OPERATING INSTRUCTIONS

### 1. Basic Measurement

Upon power-on, the Hygropalm 21 automatically begins measuring and displaying relative humidity (rH) and temperature (°C or °F). The integrated sensor probe extends from the top of the device. Ensure the sensor is exposed to the environment you wish to measure.

### 2. Button Functions

- **Power Button (red):** Press and hold to turn the device ON or OFF.
- **MENU Button:** Accesses the device's menu for configuration settings.
- **Up Arrow Button:** Navigates upwards through menu options or increases values.
- **Down Arrow Button:** Navigates downwards through menu options or decreases values.
- **ENTER Button:** Confirms selections or enters sub-menus.

### 3. Display Interpretation

The LCD screen typically shows two main readings:

- **Upper Value:** Relative Humidity (e.g., 32.4 %rH).
- **Lower Value:** Temperature (e.g., 23.1 °C).

Additional indicators may appear for battery status, measurement units, or menu navigation.



Figure 3: The Hygropalm 21 positioned in its tabletop stand, ready for continuous monitoring.

## MAINTENANCE

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### 1. Cleaning

- Wipe the device casing with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- Keep the sensor probe clean and free from dust or debris. Avoid touching the sensor element directly.

### 2. Calibration

Regular calibration is crucial for maintaining the accuracy of your Hygropalm 21. The device is supplied with a calibration certificate. Refer to the device's menu for calibration options or consult the Rotronic website for detailed calibration procedures and recommended intervals.

### 3. Storage

When not in use for extended periods, remove the battery to prevent leakage. Store the device in a clean,

dry environment within its specified operating temperature range.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Dead or incorrectly installed battery.	Check battery polarity, replace with a new 9V battery.
Inaccurate readings.	Sensor dirty or device requires calibration.	Clean the sensor carefully. Perform a calibration as per instructions.
Display is blank or flickering.	Low battery or internal fault.	Replace battery. If problem persists, contact support.

## SPECIFICATIONS

- **Model:** Hygropalm 21
- **Part Number:** EM-08NY-P68I
- **Brand:** Rotronic
- **Power Source:** Battery Powered (9 Volts)
- **Item Weight:** 470 g
- **Mounting Type:** Tabletop
- **Upper Temperature Rating:** 60 Degrees Celsius (140°F)
- **Included Components:** 1 Unit of Thermohygrometer, Instruction Manual, Calibration certificate

## WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your product or visit the official Rotronic website.

**Manufacturer Contact:** Rotronic

**Place of Business:** #18, Street 1A, Czech Colony, Sanath Nagar, Hyderabad, Telangana, India - 500018.

**Contact Number:** 8142350506