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## SENCOR SWS 4250

# SENCOR SWS 4250 Weather Station User Manual

## 1. INTRODUCTION

Thank you for choosing the SENCOR SWS 4250 Weather Station. This manual provides essential information for the proper setup, operation, and maintenance of your device. Please read these instructions carefully before use and retain them for future reference.

## 2. SAFETY INFORMATION

- Do not expose the main unit or sensor to extreme temperatures, direct sunlight, or moisture.
- Use only the specified power adapter (DC 4.5V/150mA) for the main unit.
- Ensure correct battery polarity when inserting batteries into both the main unit and the sensor.
- Keep batteries out of reach of children. Do not mix old and new batteries or different types of batteries.
- Do not attempt to disassemble or repair the device yourself. Refer all servicing to qualified personnel.

## 3. PACKAGE CONTENTS

- SENCOR SWS 4250 Main Unit
- Wireless Outdoor Sensor (SWS TH4250)
- DC 4.5V/150mA Power Adapter
- User Manual

## 4. PRODUCT OVERVIEW

The SENCOR SWS 4250 Weather Station features a color LCD display for clear visibility of weather forecasts, indoor/outdoor temperature, humidity, time, and date. It supports up to three wireless outdoor sensors, with one included.



Image 1: SENCOR SWS 4250 Weather Station Main Unit and Wireless Sensor. The main unit features a color LCD display, while the compact outdoor sensor transmits data wirelessly.

## 5. SETUP

### 5.1. Battery Installation

- Main Unit:** Open the battery compartment on the back. Insert 3 x 1.5V AAA batteries (not included), observing the correct polarity (+/-). Close the compartment.
- Outdoor Sensor:** Open the battery compartment. Insert 2 x 1.5V AA batteries (not included), observing the correct polarity (+/-). Close the compartment.

### 5.2. Powering the Main Unit

Connect the provided DC 4.5V/150mA power adapter to the main unit's power input and then plug it into a wall outlet. The display will illuminate.

### 5.3. Sensor Placement and Synchronization

Place the outdoor sensor in a shaded, dry location away from direct sunlight and rain, ensuring it is within 30 meters (open area) of the main unit. The main unit will automatically attempt to synchronize with the sensor. This may take a few minutes. Once connected, the outdoor temperature and humidity will appear on the display.

## 5.4. Mounting Options

- **Tabletop:** Use the integrated stand on the back of the main unit to place it on a flat surface.
- **Wall Mount:** Use the hanging hole on the back of the main unit to mount it on a wall using a screw (not included).

# 6. OPERATING INSTRUCTIONS

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## 6.1. Display Information

The color LCD display shows the following information:

- Weather forecast icons (sunny, partly cloudy, cloudy, rain)
- Indoor temperature and humidity
- Outdoor temperature and humidity
- Digital time (12/24 hour format)
- Date and day of the week

## 6.2. Time and Date Settings

The weather station automatically receives the DCF77 radio signal for accurate time and date synchronization. If the signal is not available or you prefer manual setting:

- Press and hold the **SET** button (location may vary, refer to device markings) to enter manual time/date setting mode.
- Use the **UP/DOWN** buttons to adjust values.
- Press **SET** again to confirm and move to the next setting (e.g., hour, minute, year, month, day, 12/24 hour format).

## 6.3. Temperature Unit Selection

Press the **°C/°F** button (location may vary) to switch between Celsius and Fahrenheit temperature display.

## 6.4. Managing Additional Sensors

The SWS 4250 supports up to three outdoor sensors. To add additional sensors (purchased separately):

- Install batteries in the new sensor.
- On the main unit, press the **CHANNEL** button to cycle through available sensor channels.
- The main unit will automatically search for and connect to new sensors on an unused channel.

# 7. MAINTENANCE

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## 7.1. Cleaning

Wipe the main unit and sensor with a soft, damp cloth. Do not use abrasive cleaners or solvents, as these may damage the display or casing.

## 7.2. Battery Replacement

Replace batteries in both the main unit and the sensor when the low battery indicator appears on the display. Always replace all batteries in a set with new ones of the same type.

## 7.3. Storage

If the device will not be used for an extended period, remove all batteries to prevent leakage and store the

unit in a cool, dry place.

## 8. TROUBLESHOOTING

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Problem	Possible Cause	Solution
No display on main unit	Batteries are dead or incorrectly inserted; power adapter not connected.	Check battery polarity and charge; ensure power adapter is securely connected.
Outdoor temperature/humidity not displayed	Sensor batteries dead; sensor out of range; interference; sensor not synchronized.	Replace sensor batteries; move sensor closer to main unit; resynchronize sensor (remove and reinsert batteries in sensor, then main unit).
Incorrect time/date	DCF77 signal weak or unavailable; manual settings incorrect.	Move main unit to a location with better signal reception; set time/date manually.
Weather forecast inaccurate	The forecast is based on atmospheric pressure changes and may not always match local conditions perfectly.	This is normal. The forecast is an estimation.

## 9. SPECIFICATIONS

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Feature	Detail
Model	SWS 4250
Brand	SENCOR
Display Type	Color LCD
Indoor Temperature Range	0 °C to +50 °C
Outdoor Temperature Range	-20 °C to +60 °C
Humidity Range (Indoor/Outdoor)	20 % to 90 % RH
Time Format	12/24 Hour Selectable
Time Synchronization	DCF77 Radio Controlled (Manual setting possible)
Wireless Sensor Support	Up to 3 sensors (1 SWS TH4250 included)
Sensor Transmission Frequency	433 MHz
Sensor Transmission Range	Up to 30 m (open area)
Main Unit Power	3 x 1.5V AAA batteries (not included) or DC 4.5V/150mA adapter (included)

Feature	Detail
Sensor Power	2 x 1.5V AA batteries (not included)
Main Unit Dimensions (W x H x D)	173 x 125 x 22 mm
Main Unit Weight	238 g
Color	Black

## 10. WARRANTY AND SUPPORT

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For warranty information and technical support, please refer to the documentation provided with your purchase or contact SENCOR customer service. Keep your proof of purchase for any warranty claims.