

# LEXIBOOK®



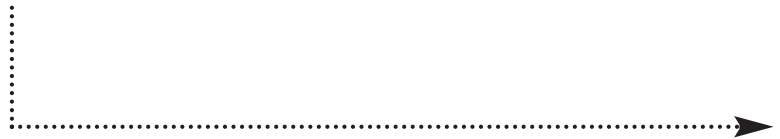
***MeteoClock***  
Weather Station



Wireless Weather Station with Weather Forecast  
SM880 - *Owners manual*

# LEXIBOOK®

- GB ----- English
- F ----- Français
- E ----- Español
- P ----- Português
- IT ----- Italiano
- D ----- Deutsch
- NL ----- Nederlands
- GR ----- ΕΛΛΗΝΙΚΑ



# Wireless Weather Station with Weather Forecast SM880 - *Instruction Manual*

## INTRODUCTION

Congratulations on your purchase of this weather station, MeteoClock® SM880. Please take the time to read and understand this manual so you can begin to enjoy the convenience and features this product has to offer.

### **What exactly is a Weather Station?**

Lexibook® digital stations measure not only the time in progress – thanks to their built-in clock-but also the actual and upcoming weather.

The MeteoClock® SM880 incorporates the following functions:

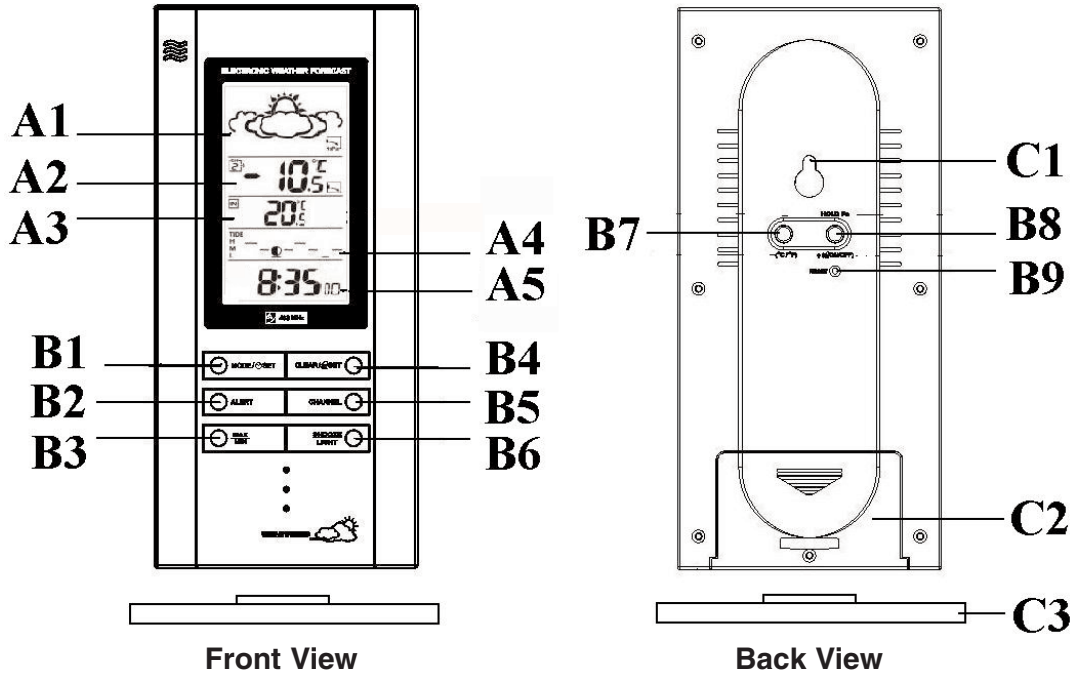
- Thermometer:  
The temperature is displayed in real time to the nearest tenth of a degree Celsius.Thanks to its wireless sensor,the station can detect from a distance the outdoor temperature or that of another room.
- Barometer:  
The station also monitors the atmospheric pressure in real time. It displays the weather forecast by means of animated icons (sun,clouds,rain...)and for the next 8 to 12 hours.

## FEATURES

- Weather Forecast with Sunny, Slightly Cloudy, Cloudy, Rainy and Cloud Burst.
- 433MHz RF receiving frequency.
- Maximum three selectable RF channels with wireless Thermo Sensor.  
(One Wireless Thermo Sensor Included)
- Transmission range: 30 meters ( open area ).
- Measuring range:  
Indoor temperature:           0°C ~ +50°C  
Outdoor temperature:       -50°C ~ +70°C
- Outdoor temperature alert function.
- Max/Min Memory for Indoor and Outdoor Temperature.
- Moon Phase Display.
- High Tide, Medium Tide and Low Tide Indication.
- Low-battery indicator for Outdoor Remote Sensor.
- Perpetual Calendar Up to Year 2069.
- 12/24Hour time display selectable.
- Day of week in 7 Languages Selectable.
- Backlight
- Wall mound or Table Stand Selectable.

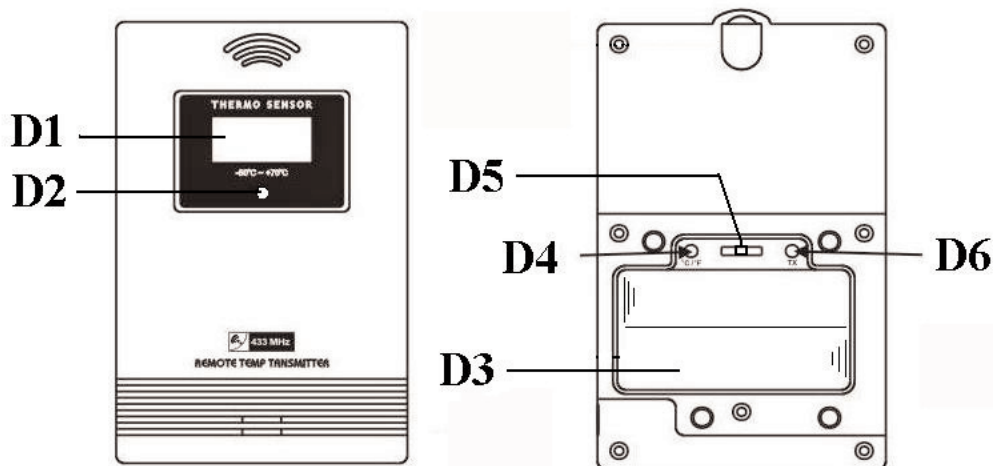
- Battery:
  - Main Unit: DC 1.5 V AA size x 2 pcs
  - Thermo Sensor Unit: DC 1.5 V AA size x 2 pcs
- Size: 175 x 82 x 25 mm

**MAIN UNIT APPEARANCE**



Part A- LCD	Part B- Buttons
<b>A1</b> : Weather Forecast <b>A2</b> : Outdoor Temperature <b>A3</b> : Indoor Temperature <b>A4</b> : Moon Phase & Tide Indicator <b>A5</b> : Time Display	<b>B1</b> : "MODE/SET" button <b>B2</b> : "ALERT" button <b>B3</b> : "MAX/MIN" button <b>B4</b> : "ALARM ON/OFF" button <b>B5</b> : "CHANNEL" button <b>B6</b> : "SNOOZE/LIGHT" <b>B7</b> : "-(°C/°F)" button <b>B8</b> : "+(12/24)" button <b>B9</b> : "RESET" button
Part C- Structure	<b>C1</b> : Wall Mound Hole <b>C2</b> : Battery Compartment <b>C3</b> : Stand

## Thermo Sensor Unit Appearance.



- D1 : Outdoor Temperature
- D2 : Transmission Indication LED
- D3 : Battery Compartment
- D4 : “°C/°F” button
- D5 : Channel Selecting Switch
- D6 : “TX” button data transmission

### Battery installation

- 1 - Remove the battery cover.
- 2 - 2 AA size batteries for the receiver (SM880).
- 3 - 2 AA size batteries for the remote sensor.
- 4 - Insert the batteries between the terminals respecting the polarity indicated inside the compartment.
- 5 - Replace the battery cover.

## GETTING STARTED

### Manual Time Setting:

- Hold “MODE” button for 3 seconds to enter Clock/Calendar setting Mode .
- Press “+” or “-” buttons to adjust the setting and press “MODE” button to confirm each setting.
- The setting sequence is shown as follow: Hour, Minutes, Second, Year, Month/Day sequence, Month, Day, Time Zone, Day-of-week language.
- 7 languages can be selected in Day-of-week, they are: German, English, Russian, Denmark, Dutch, French, Italian and Spanish. The languages and their selected abbreviations for each day of the week are shown in the following table.

Language	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
German, GE	SO	MO	DI	MI	DO	FR	SA
English, EN	SU	MO	TU	WE	TH	FR	SA
Denmark, DA	SO	MA	TI	ON	TO	FR	LO
Dutch, NE	ZO	MA	DI	WO	DO	VR	ZA
French, FR	DI	LU	MA	ME	JE	VE	SA
Italian, IT	DO	LU	MA	ME	GI	VE	SA
Spanish, ES	DO	LU	MA	MI	JU	VI	SA

**Snooze Alarm Clock Function:**






- Press “**MODE**” button to select to view :  
Time → Date/Month /Weekday → Alarm Time (“**ALM**” Shown on the LCD)
- When viewing the Alarm Time, hold “**MODE**” button for 3 seconds to enter Alarm Time setting. Press “+” or “-” buttons to adjust the alarm time.
- Press “**ALARM**” button to switch alarm on or off. If it is on, “(●)” shown on the LCD.
- Snooze alarm snoozes for 5 minutes, then it alarms again.
- Press any button to stop the snooze alarm.

**Maximum/Minimum Outdoor Temperature recording function:**


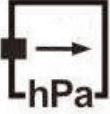

- Press “**MAX/MIN**” button to show the maximum recorded Indoor /Outdoor Temperature.  
“**MAX**” is shown on the LCD
- Press “**MAX/MIN**” button again to show the minimum recorded Indoor/Outdoor Temperature.  
“**MIN**” is shown on the LCD.
- Hold “**MAX/MIN**” button for 3 seconds to clear the recorded maximum and minimum reading.

**Weather Forecast function:**

- After Batteries inserted, or holding “+(12/24)” button for 3 seconds, weather icon Flash (LCD-A1). Enter the current weather pressing “+” or “-” buttons. Press “**MODE**” button to confirm the setting.
- Totally 5 different weather in the weather forecast.

				
<b>Sunny</b>	<b>Slightly Cloudy</b>	<b>Cloudy</b>	<b>Rainy</b>	<b>Cloudburst</b>

- If there is any inconsistency of weather forecast between Local Weather Station and this unit, the Local Weather Station's forecast should prevail.
- The trend pointer displayed on the LCD indicates the trend of the outdoor temperature.

		
<b>Indicates the barometric pressure trend is increasing.</b>	<b>Indicates the barometric pressure trend is steady.</b>	<b>Indicates the barometric pressure trend is decreasing.</b>

**Thermometer:**

- Press “-(°C/°F)” button to select Indoor/Outdoor Temperature in Celsius mode/ Fahrenheit mode.

**Outdoor thermo sensor unit registration procedure:**

- The weather station automatically starts receiving transmission from Outdoor Thermo Sensor for outdoor temperature after new batteries are inserted.
- The sensor will automatically transmit temperature to the weather station after batteries inserted. Batteries compartment of thermo sensor is locating behind the back cover, unscrews to open.
- For having more than one external transmitter (Maximum3), select the Channel, CH1, CH2 or CH3 to ensure each sensor is transmitting difference channel before inserting batteries. The channel select switch is at the back of the thermo sensor.
- Press “TX “ button on the thermo sensor unit to transmit temperature to the weather station manually. The weather station gives a “beep” sound if it received the temperature.


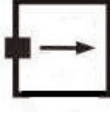

**Display outdoor temperature :**

- Press “CHANNEL” button to view the 3 Channels’ temperature. The sequence is shown as follow:






**Display the three channels alternatively.**

- Hold “CHANNEL” button for 3 seconds to cancel unused channel manually. It will automatically register a new channel again if a new channel is received.
- The trend pointer displayed on the LCD indicates the trend of the outdoor temperature.

		
<b>Indicates the outdoor temperature is increasing.</b>	<b>Indicates the outdoor temperature is steady.</b>	<b>Indicates the outdoor temperature is decreasing.</b>

- Press “°C /°F” button, on the Thermo Sensor unit, to select Thermo Sensor displayed in Celsius mode or Fahrenheit mode.

**Outdoor Temperature Alert function:**

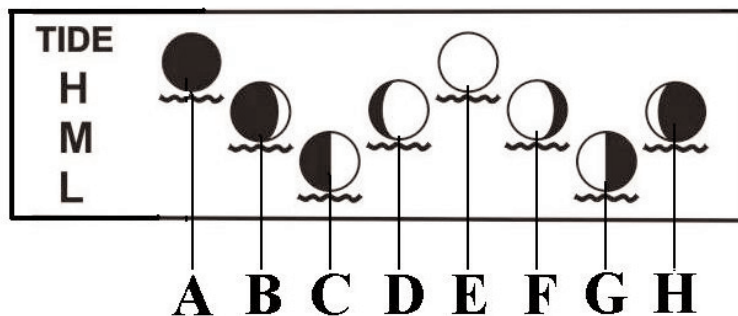
- Press “ALERT” button to set the Outdoor Temperature Alert function on or off ( “” appears on the LCD if this function is on).
- Hold “ALERT” button for 3 seconds to enter the Alert setting. Outdoor temperature flashes.
- Press “+” or “-” button to select the channel for the temperature alert.
- Press “ALERT” button to confirm the settings.
- Press “+” or “-” button to set the upper “” and lower “” limit of the temperature.

## WEATHER DISPLAY

- After setting up, reading for weather forecasts should be discarded for the next 12-24 hours. This will allow sufficient time for the Weather Station to operate at a constant altitude and therefore result in a more accurate forecast.
- Common to weather forecasting, absolute accuracy cannot be guaranteed. The weather forecasting feature is estimated to have an accuracy level of about 75% due to the varying areas the Weather Station has been designed for use in.
- If the Weather Station is moved to another location significantly higher or lower than its initial standing point (e.g from ground floor to 1st floor of a house), remove the batteries and reinsert them after about 30 seconds. By doing this, the Weather Station will not make mistake of new location being a possible change in air pressure. Again, discard the weather forecasts for the next 12-24 hours as this allow time for operation at a constant altitude.

**Moon Phase and Tide Indication**

The Moon Phase of each day is shown on the LCD.



**A** : New Moon

**B** : Waxing Crescent

**C** : First Quarter

**D** : Waxing Gibbous

**E** : Full Moon

**F** : Waning Gibbous

**G** : Last Quarter

**H** : Waning Crescent


Tide Status :

**H** : High Tide

**M** : Medium Tide

**L** : Low Tide

**Low batteries indicator:**

- Low battery icon “” appear at outdoor temperature row in particular channel indicating the external transmitter of the channel in low battery status.



**Back Light :**

Press “**SNOOZE/LIGHT**” button, back light states for 5 seconds

Note

- Always read the users manual carefully before operating the Unit.
- Avoid placing the clock near interference sources/metal frames such as computer or TV sets.
- The clock loses its time information when the battery is removed.
- All Setting Mode will automatically exit in 5 seconds without any adjustment.

**SPECIFICATIONS**

**Weather Station Receiver SM880**

Battery Type: 2 X 1.5V AA batteries  
 Operation Temp: 0°C- +50°C  
 Temp. Range: 0°C- +50°C  
 Measurement Accuracy: +- 1°C  
 within measuring range of 0 to 40°C  
 Resolution: 0.1°C

**Weather Station Transmitter**

Battery Type: 2 X 1.5V AA batteries  
 Temp. Range: -20C- +50C  
 Transmission Frequency: 433Mhz  
 Transmission Range: 30 meter  
 (Open area)

**TROUBLESHOOTING**

Problem:	Solution :
Temperature reading of outdoor remote sensor seems to high.	Ensure the remote sensor is out of direct sunlight, and away from sources of heat.
Receiver is no longer receiving remote sensor signals or display.	Repeat the learning procedures. - Temperature may be below -30°C. - Batteries in remote sensor may need changing. - Move remote sensor closer to the receiver. - Make sure remote sensor is away from sources of electrical disturbance.

**WARRANTY**

This product is covered by our two-year warranty.

For warranty requirements or after sales service, please contact your local retailer with your proof of purchase. Our warranty covers all manufacturer defaults but does not cover deterioration due to non-respect of the Instruction Manual or bad handling of the product (like sun or water exposure or dismantling of the product).

Warranty does not cover batteries.

Freephone helpline: 0 808 100 3015  
<http://www.lexibook.co.uk> - [infouk@lexibook.com](mailto:infouk@lexibook.com)

# LEXIBOOK®

## DECLARATION OF CONFORMITY

We, **Lexibook® S.A.**

2, avenue de Scandinavie  
91953 Courtaboeuf Cédex - France

declare under our sole responsibility that the product:

Kind of product: Weather station

Type number: SM880

To which this declaration relates, is in conformity with the following standards and/or other normative documents:

EN301489-3,  
EN300220-3,  
EN61010-1

We hereby declare that the above named product is in conformity to all the essential requirements of R&TTE Directive 1999/5/EC of 09.March 1999.

02 february 2005.

Denis MAUDUIT  
Quality Manager

