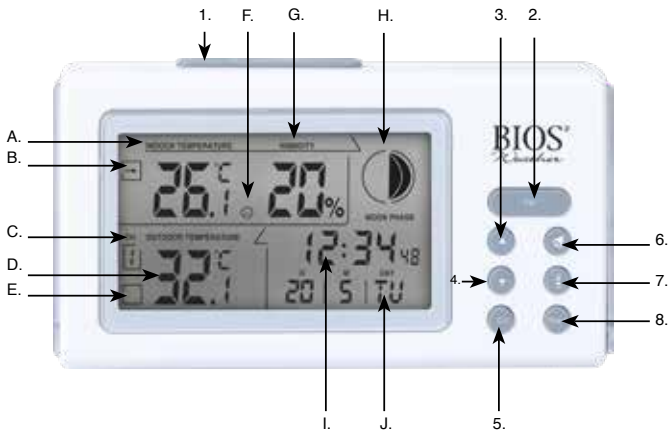
BIOS™ Weather

Indoor/Outdoor Wireless Thermometer and Hygrometer 312BC

Instruction Manual



Monitor:

A. Indoor Temperature
B. Indoor Temperature Trend
C. Channel
D. Outdoor Temperature
E. Outdoor Temperature Trend
F. Comfort Icon
G. Indoor Relative Humidity
H. Moon Phase
I. Time
J. Date

1. Snooze/Light Button
2. Set Button
3. ▲ Button
4. ▼ Button
5. Ch Button
6. ⏮ Button
7. ⏭ Button
8. Mem Button



Remote Sensor:

1. °C/°F Button
2. Channel Switch
3. Transmission Light

Care of the Device

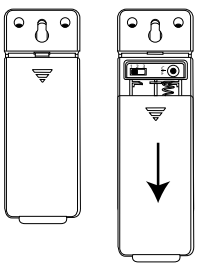
- Avoid exposing units to extreme temperatures or severe shock.
- Avoid contact with any corrosive materials such as perfume, alcohol, or cleaning agents.
- **DO NOT** subject the units to excessive force, shock, dust, temperature, or humidity. Any of these conditions may shorten the life of the units.
- **DO NOT** tamper with any of the internal components of these units. This will invalidate the warranty and may cause damage.

Correct Usage of Batteries

- **DO NOT** mix standard and rechargeable batteries.
- **DO NOT** mix new and old batteries.
- When the low battery symbol appears on the display replace all batteries with new ones.

Setup Procedure

1. Insert batteries into the monitor first.
2. To insert batteries into the remote sensor, press down on tab and slide the back off.
3. Place the monitor as close as possible next to the remote sensor. Before inserting the batteries into the sensor ensure the correct channel is selected (see sensor diagram for location of channel switch) then insert the batteries into the remote sensor.
4. The transmission light will flash on the remote sensor indicating that the signal has been sent to the monitor. Once the signal is received, the dashes (--.-°C) on the monitor will change to the current outdoor temperature.



NOTE: If after 5 minutes the screen does not change to show the outdoor temperature, remove all batteries from both units and insert again, starting with the monitor.

5. Position the monitor and remote sensor within effective transmission range, which in usual circumstances is 100 meters (382 feet). Range is affected by building material, as well as where the monitor and remote sensor are positioned. Try various locations for the best results.

NOTE: The remote sensor should be placed outdoors in a shaded area for accurate readings.

Troubleshooting

If the outdoor temperature cannot be received, check:

1. The distance between the monitor or remote sensor should be at least 1.2 meters (4 feet) away from any interfering sources such as computer monitors or TV sets.
2. Avoid placing the monitor onto or in the immediate proximity of metal window frames.
3. Using other electrical products such as headphones or speakers operating on the same frequency (433MHz) may prevent correct signal transmission and reception.
4. Neighbours using electrical devices operating on the 433MHz signal frequency can also cause interference.
5. Signals from other household devices, such as door bells and home security systems, may temporarily interfere with the units and cause reception failure. The transmission and reception of temperature reading will resume once the interference has stopped.

The maximum transmission range is 100 meters (382 feet) from the remote sensor to the monitor (in open space). However, this depends on the surrounding environment and interference levels. The temperature signal travels in a straight line from the remote sensor to the monitor. The signal will not curve around an object. If no reception is possible, despite the observation of these factors, all units will have to be reset.

Displaying Different Channels

This unit has the capability of receiving measurements from multiple remote sensors. If you have registered more than one remote sensor, press the **CH** button on the monitor to select the outdoor sensor channel you want to display permanently. Press and hold the **CH** button if the outdoor temperature needs to be reset. The outdoor temperature of that particular channel will reset and display dashes (--.-°C). After a few minutes the outdoor sensor will send a transmission to the monitor, and then the current temperature should once again be displayed on the monitor.

Installing the Monitor

The monitor can be placed on any flat surface.

Installing the Remote Sensor

To prevent temperature interference, place the remote sensor outside away from direct sunlight, and rain. The remote sensor is designed to be splash proof; never immerse into water or expose to heavy rain.

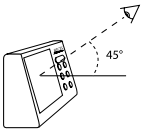
Optimum Viewing Angle

You must always keep in mind that the LCD screen is constructed with an “optimum viewing angle”. Your eye should be at a 45° angle to view the LCD screen clearly.

Calendar and Clock Setup

1. Press and hold the SET button. The hour digit will begin to flash.
2. Press the ▲ or ▼ button to toggle to the correct hour.
3. Press the SET button to confirm.
4. The minutes digit will begin to flash. Follow steps 2 and 3 to set the correct minutes, year, month, date and language.

ºF / ºC



The default is ºC, press the button ▼ to toggle between ºC and ºF

Language Regions:

EN – English
IT – Italian
FR – French
NE – Netherlands
ES – Spanish
DA – Denmark
GE – German

12/24 Hour Format

The default is 24 hours, press the ▲ button to toggle between 12 and 24 hours.

Setting Alarm Time

1. Press and hold the 🔔 button for 3 seconds to set the alarm time. The alarm time with "0" flashing, and AL will be displayed.
2. Press the ▲ or ▼ button to set the hour.
3. Press the 🔔 button to confirm.
4. The minute digits will flash, press the ▲ or ▼ button to set the minutes.
5. Press the 🔔 button to confirm.
6. Press the 🔔 button once to turn the alarm on/off. When the alarm is on "🔔" will be displayed above the seconds.
7. When the alarm sounds press the **SNOOZE/LIGHT** button, the alarm will sound again in approximately 5 minutes.

NOTE: If buttons are not pressed for 8 seconds the monitor will save changes and return to regular mode.

Setting Outdoor Temperature Alert

NOTE: When setting the temperature alert, the temperature will change in increments of 1.0°C or 1.8°F.





1. Press and hold the 🌡 button until the temperature alert icon 🌡 is displayed and the and ▲ temperature is flashing.
2. Press the ▲ or ▼ button to set the desired temperature alert maximum limit.
3. Press the 🌡 button to confirm.
4. The temperature and ▼ will flash.
5. Press the ▲ or ▼ button to set the temperature alert minimum limit.
6. Press the 🌡 button to confirm.

Activating the Outdoor Temperature Alert

After all the temperature alerts have been set, press the ▼ button and the temperature alert will be activated. The temperature alert icon ▼ will be displayed next to the current outdoor temperature.



De-activating the Temperature Alert

When the outdoor temperature exceeds the maximum or minimum pre-set temperature alert limits, the alarm will sound for five seconds every minute. The current outdoor temperature and ▼ will start to flash.

1. Press the **SET** button to stop the audible alert, the current outdoor temperature and ▼ will continue to flash to indicate the out of range condition.
2. To turn the temperature alert off permanently, press the ▼ button until ▼ is no longer displayed.

Maximum and Minimum Memory

1. Press the **MEM** button once to display the maximum readings. Press the **MEM** button again to display the minimum readings.
2. To clear the memory, press and hold the **MEM** button when the max or min readings are displayed. This will reset the memory to the current temperature and humidity readings being displayed on the monitor.

Backlight

1. Press the **SNOOZE/LIGHT** button once to turn on the backlight.

Moon Phase



The moon phase icon changes according to the date that is set.

Indoor Humidity Comfort Icon

Icon	Description
☹	Icon will appear when humidity is below 40% and temperature is any value.
😐	Icon will appear when humidity is above 70% and temperature is any value.
☺	Icon will appear when humidity is between 40% to 70% and temperature is between 20°C to 28°C (68°F to 82.4°F).
	No icon will appear if humidity is between 40% to 70% and temperature is out of range of 20ºC to 28ºC (68ºF to 82.4ºF)

Specifications

Temperature Measuring Range	
Monitor	0°C to 50°C (32°F to 122°F)
Outdoor Sensor	-35°C to 60°C (-31°F to 140°F)
Temperature Checking Interval	
Monitor	15 seconds
Outdoor Sensor	35 seconds
Humidity Measuring Range	
Indoor	20% to 95%
Power Source	
Monitor	2 x AA batteries, 1.5V
Outdoor Sensor	2 x AAA batteries, 1.5V (it is recommended to use Lithium batteries during the cold months)

Industry Canada/FCC Statement

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

WARNING: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Consult the dealer or an experienced radio/TV technician for help.

One Year Warranty

The Indoor/Outdoor Wireless Thermometer and Hygrometer has a 1 year warranty to be free of manufacturing defects in materials and workmanship under normal applications for 1 year of the original owner. If this product becomes inoperable due to defect, return the product with all component pieces and proof of purchase to the address listed below. This warranty does not cover any shipping/transport costs. This warranty does not apply if the

product is subject to misuse, neglect, rough handling, or damage.

Ship the unit prepaid and insured (at owners option) to:
Thermor Ltd.
Attn: Returns Department
16975 Leslie Street
Newmarket, ON L3Y 9A1
www.biosmedical.com
Email: support@biosmedical.com

Paper



Papier

BIOS | Medical
MANUFACTURED BY/FABRIQUÉ PAR :
THERMOR LTD.
16975 LESLIE STREET
NEWMARKET, ON L3Y 9A1
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100% Canadian Owned & Operated
Propriétaire-exploitant canadien à 100 %