



Indoor / Outdoor Thermo-Hygrometer with USB and Clock Model: RMS300 / RMS300A

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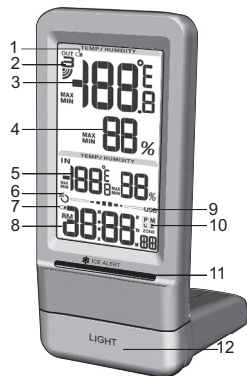
USER MANUAL

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OVERVIEW

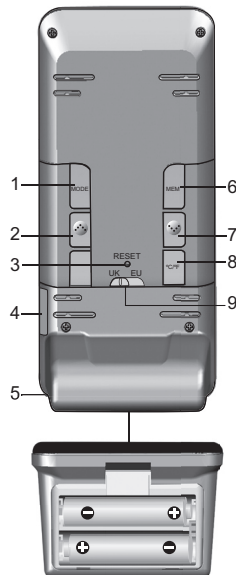
FRONT VIEW (FIG 1)





1. Remote sensor battery indicator
2. Remote sensor reception icon
3. Outdoor temperature
4. Outdoor humidity
5. Indoor temperature and humidity
6. Clock signal reception indicator
7. Main unit battery indicator
8. Clock / calendar display
9. USB status indicator

10. Time zone (RMS300A only)
11. Ice alert LED indicator
12. **LIGHT**: Activate backlight

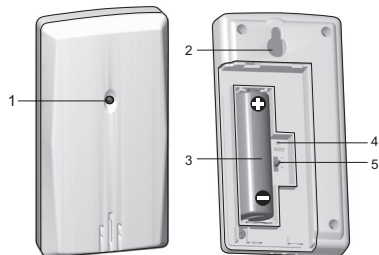
BACK VIEW (FIG 2)





1. **MODE:** Toggle between clock displays; enter setting mode
2. : Increase values in setting mode; activate clock signal reception
3. **RESET:** Reset unit to default settings
4. USB port (at the side)
5. Battery compartment (at the bottom)
6. **MEM:** Toggle between maximum and minimum temperature / humidity displays
7. : Decrease values in setting mode; deactivate clock signal reception
8. **°C / °F:** Select temperature unit
9. **EU / UK:** Select the nearest radio signal (RMS300 only)

REMOTE SENSOR (FIG 3)




1. LED status indicator
2. Wall mount hole
3. Battery compartment
4. **RESET** hole
5. **CHANNEL** switch

GETTING STARTED

INSERT BATTERIES

1. Remove the battery compartment.
2. Insert the batteries, matching the polarities (see FIG 2).
3. Press **RESET** after each battery change.

 LOCATION	MEANING
Clock / alarm area	Main unit batteries low
Outdoor temperature area	Remote sensor batteries low

REMOTE SENSOR

The remote sensor can collect data from up to 3 channels.

To set up the remote sensor:

1. Open the battery compartment and insert batteries, matching the polarity.
2. Select a channel then press **RESET**.
3. Close the battery door.
4. Place the remote sensor within 30 m (98 ft) from the main unit.

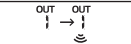
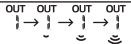

NOTE Use alkaline batteries for longer usage and consumer grade lithium batteries in temperatures below freezing.

SENSOR DATA TRANSMISSION

To search for a sensor:

Press and hold  + **MODE**.

The remote sensor reception icon will show the following status:

ICON	DESCRIPTION
	Main unit is searching for sensor(s).
	A channel has been found.
	The sensor cannot be found.

TIP The transmission range may vary depending on many factors. You may need to experiment with various locations to get the best results.

CLOCK

CLOCK RECEPTION

This product is designed to synchronize its clock automatically with a clock signal.

RMS300:



Slide **EU / UK** to select the signal received.


- EU: DCF-77 signal: within 1500 km (932 miles) of Frankfurt, Germany.
- UK: MSF-60 signal: within 1500 km (932 miles) of Anthorn, England.

RMS300A:

WWVB-60 signal: within 3200 km (2000 miles) of Fort Collins, Colorado.

To enable / disable clock signal reception:

Press and hold  to enable or  to disable clock signal reception.

NOTE Reception takes 2-10 minutes. If the signal is weak, it can take up to 24 hours to get a valid signal. If signal reception is unsuccessful, place your unit next to a window, press and hold  to force another signal search.



Clock signal reception indicator:

STRONG SIGNAL	WEAK SIGNAL	NO SIGNAL
		



MANUALLY SET CLOCK

To set the clock manually, disable the clock signal reception first.

1. Press and hold **MODE**.
2. Press  or  to change the settings. The settings order is: time zone, 12/24 hr format, hour, minute, year, calendar mode (month – day / day – month), month, day and language.
3. Press **MODE** to confirm.

RMS300: Time zone sets the clock +/- 23 hours from the received clock signal time. If you have deactivated the clock signal reception, do not set a value for time zone.

RMS300A: Select the time zone: (P) Pacific, (E) Eastern, (C) Central or (M) Mountain.

NOTE The language options are English (E), German (D), French (F), Italian (I), and Spanish (S).

To select clock display mode:


Press **MODE** to toggle between clock with seconds, clock with weekday and calendar.

TEMPERATURE AND HUMIDITY

To toggle temperature unit:

Press **°C / °F**.

To auto-scan channels:

Press and hold  + **MEM** to display each channel's recorded data in sequence for 3 seconds.

To select channel, press .

To toggle between current, minimum and maximum temperature/ humidity record of a selected channel:

Press **MEM**.

To clear the temperature / humidity record displayed:

Press and hold **MEM**.

ICE ALERT (CHANNEL 1 ONLY)

If the temperature falls between 3°C to -2 °C (37°F to 28°F), the green ice alert LED indicator will flash continuously, and will stop flashing once the temperature is out of this range.

CONNECTION TO PC

Weather data of temperature and humidity readings can be uploaded to the computer by connecting the main unit to the computer.

To upload the weather data to the computer:

1. Install the PC software. It can be available for download at this address:
<http://10.1.6.110/rms300.exe>
2. Follow instructions in the software programme.
3. Plug one end of the USB cable into the USB port and the other end into the computer.

4. If data upload is completed, the display will show
 “”.

NOTE Computer system requirements:

- Operating system: Microsoft Windows 98 or above
- Processor: 300 MHz or higher CPU speed
- RAM: 128 megabytes (MB)
- Hard disk free space: 50 Mbytes (GB)
- CD-ROM or DVD drive

NOTE The USB is only used for uploading weather data. It cannot be used for charging battery power.

BACKLIGHT

Press **LIGHT** to activate LED backlight for 5 seconds.

RESET

Press **RESET** to return to the default settings.

SPECIFICATIONS

TYPE	DESCRIPTION
MAIN UNIT	
L x W x H	72 x 58 x 165 mm (2.8 x 2.3 x 6.5 in)
Weight	190 g (6.7 oz) without battery

Signal frequency	433 MHz
Temperature range	-5°C to 50°C (23°F to 122°F)
Temperature resolution	0.1°C (0.2°F)
Humidity range	25% - 95%
Humidity resolution	1%
Power	2 x UM-3 (AA) 1.5 V batteries
REMOTE UNIT (THGN132N)	
L x W x H	50 x 22 x 96 mm (1.9 x 0.9 x 3.8 in)
Weight	62 g (2.2 ounces) without battery
Signal frequency	433 MHz
Number of channel	3
Transmission range	30 m (98 ft) unobstructed
Temperature range	-20°C to 60°C (-4°F to 140°F)
Humidity range	25% - 95%
Humidity resolution	1%
Power	1 x UM-3 (AA) 1.5 V battery

PRECAUTIONS

- Do not subject the unit to excessive force, shock, dust, temperature or humidity.
- Do not cover the ventilation holes with any items such as newspapers, curtains etc.
- Do not immerse the unit in water. If you spill liquid over it, dry it immediately with a soft, lint-free cloth.
- Do not clean the unit with abrasive or corrosive materials.
- Do not tamper with the unit's internal components. This invalidates the warranty.
- Only use fresh batteries. Do not mix new and old



batteries.

- Images shown in this manual may differ from the actual display.
- When disposing of this product, ensure it is collected separately for special treatment and not as normal household waste.
- Placement of this product on certain types of wood may result in damage to its finish for which Oregon Scientific will not be responsible. Consult the furniture manufacturer's care instructions for information.
- The contents of this manual may not be reproduced without the permission of the manufacturer.
- Do not dispose old batteries as unsorted municipal waste. Collection of such waste separately for special treatment is necessary.
- Please note that some units are equipped with a battery safety strip. Remove the strip from the battery compartment before first use.

NOTE The technical specifications for this product and the contents of the user manual are subject to change without notice.

ABOUT OREGON SCIENTIFIC

Visit our website (www.oregonscientific.com) to learn more about Oregon Scientific products. If you're in the US and would like to contact our Customer Care department directly, please visit: www2.oregonscientific.com/service/support

OR

Call 1-800-853-8883.

For international inquiries, please visit:



www2.oregonscientific.com/about/international

EU-DECLARATION OF CONFORMITY

Hereby, Oregon Scientific, declares that this Indoor / Outdoor Thermo-Hygrometer with USB and Clock (model: RMS300 / RMS300A) is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. A copy of the signed and dated Declaration of Conformity is available on request via our Oregon Scientific Customer Service.



COUNTRIES RTTE APPROVED COMPLIED

All EU countries, Switzerland 
and Norway 

FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

WARNING Changes or modifications 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.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio / TV technician for help.

DECLARATION OF CONFORMITY

The following information is not to be used as contact for support or sales. Please call our customer service number (listed on our website at www.oregonscientific.com, or on the warranty card for this product) for all inquiries instead.

We

Name: Oregon Scientific, Inc.
 Address: 19861 SW 95th Ave., Tualatin,
 Oregon 97062 USA
 Telephone No.: 1-800-853-8883

declare that the product

Product No.: RMS300 / RMS300A
 Product Name: Indoor / Outdoor Thermo-
 Hygrometer with USB and
 Clock
 Manufacturer: IDT Technology Limited
 Address: Block C, 9/F, Kaiser Estate,
 Phase 1, 41 Man Yue St.,
 Hung Hom, Kowloon,
 Hong Kong

is in conformity with Part 15 of the FCC Rules. Operation is subject to the following two conditions: 1) This device may not cause harmful interference. 2) This device must accept any interference received, including interference that may cause undesired operation.