NOTE You need to input latitude and longitude of your location. Please refer to your local weather observatory website. The latitude and longitude input affects the sunrise/sunset time.

NOTE Excepting the latitude and longitude, **AUTO**/**DST** (Daylight saving time)/**ST** (Standard time) settings also affect the sunrise/sunset time. If **AUTO** is set, the sunrise/sunset time follows the **DST**/**ST** setting of the RF clock data. If **ST** is set, the sunrise/sunset time assumes standard time. If **DST** is set, the sunrise/sunset time assumes daylight saving time.

To select clock display mode:

Press [ ] area repeatedly to toggle among:

- Clock with seconds
- Clock with weekday
- Date with year

CLOCK RECEPTION

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

WMR300:

Slide switch to **EU** / **UK** to select the desired signal and manually set clock by selecting time zone between -12 and +12.

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

NOTE Press **RESET** whenever you change **EU** / **UK** setting.

WMR300A:

- WWVB-60 signal: within 3200km (2000 miles) of Fort Collins Colorado. Manually set clock to select time zone **Pacific** (**P**) / **Mountain** (**M**) / **Central** (**C**) / **Eastern** (**E**).

The icons below indicate the status of the clock reception signal.

Icon	Meaning
	Time is synchronized, but not updated once during the last 48 hours.
Flashing	Receiving signal is weak.
	Time is synchronized and updated at least once during the last 48 hours.
Flashing	Receiving signal is strong

NOTE Reception takes 4-10 minutes for synchronizing.

To enable / disable signal reception:

Press and hold a place within [ ] area to enable / disable signal reception. A beep will sound to confirm action.

ALARM CLOCK

To set the daily alarm:

1. Press [ ] area to activate. ◀ displays next to the area and the tool bar displays at the below of the screen.
2. Press [ALARM].
   - Press [ALARM⏻] to turn on the daily alarm. ((•)) and 🔔 displays.
   - Press [ALARM⏻] to turn off the daily alarm. 🔔 disappears.
3. Press [UNIT] to change the time display between 12hr/24hr format.
4. Press and hold [ALARM] to enter editing mode.
5. Press [∨] or [∧] to edit and press [ALARM] to confirm editing.
6. Press anywhere not in [ ] area to exit.

MOON PHASE

In the Northern hemisphere, the moon waxes (amount of moon we see that grows after the New moon) from the right. So, the sunlit part of the moon moves from right to left in the Northern hemisphere while in the Southern hemisphere, it moves from left to right. The direction depends on the latitude of the person observing it.

Below are two tables which diagrammatically illustrate how the moon will appear on the main unit .

Northern hemisphere

●	New Moon	●	Full Moon
●	Waxing Crescent	●	Waning Gibbous
●	First quarter	●	Third quarter
●	Waxing Gibbous	●	Waning Crescent

Southern hemisphere

●	New Moon	●	Full Moon
●	Waxing Crescent	●	Waning Gibbous
●	First quarter	●	Third quarter
●	Waxing Gibbous	●	Waning Crescent

To view moon phase:

1. Press [ ] clock area to activate.
2. Press [∨] or [∧] to view moon phase for specific dates.

WEATHER FORECAST

This product forecasts the next 12 to 24 hours of weather within a 30-50 km (19-31 mile) radius (US – with a 75% accuracy).

Icon	Meaning
	Sunny
	Partly cloudy
	Cloudy
	Rainy
	Snowy

TEMPERATURE AND HUMIDITY

To view temperature area:

- Press [ ] **INDOOR** / [ ] **OUTDOOR** temperature area. ◀ displays on top of the temperature reading.

To change channel (outdoor temperature only):

- Press [CH] to change channel.

To select the temperature measurement unit:

- Press [UNIT] to select **°C** / **°F**.

NOTE The unit of all temperature related displays will be changed simultaneously.

To view humidity readings:

- Press [ ] **INDOOR** / [ ] **OUTDOOR** humidity area. ◀ displays on top of the humidity reading.

To view temperature and humidity trend:

The temperature and humidity trend icons are based on recent sensor readings.

The trend lines are shown next to the temperature and humidity readings. The trend is shown as follows:

Rising	Steady	Falling
↗	→	↘

DEWPOINT / HEAT INDEX / WIND CHILL

To view dew point:

- Press [ ] area repeatedly until **DEWPOINT** displays.

To view heat index:

- Press [ ] area repeatedly until **HEAT INDEX** displays.

Temperature Range	Warning	Meaning
27°C to 32°C (80°F to 89°F)	Caution	Possibility of heat exhaustion
32°C to 40°C (90°F to 104°F)	Extreme Caution	Possibility of heat dehydration
41°C to 54°C (105°F to 129°F)	Danger	Heat exhaustion likely
54°C to 92°C (130°F to 151°F)	Extreme danger	Strong risk of dehydration / sun stroke

NOTE Heat index is only calculated when temperature is 80° F / 27°C or above.

To view wind chill:

- Press [ ] area repeatedly until **WIND CHILL** displays.

SUNRISE / SUNSET

NOTE Make sure you input latitude and longitude of your location in [ ] area, which affects the sunrise/sunset time.

NOTE Excepting the latitude and longitude, daylight saving time setting also affects sunrise and sunset (See **Manually Set Clock**).

You can view the sunrise or sunset time in [ ] area.

- Press [ ] **SUNRISE/SUNSET** area. ◀ displays on the top of the time display.
- Press [UNIT] to change the time display between 12hr/24hr format.

WIND

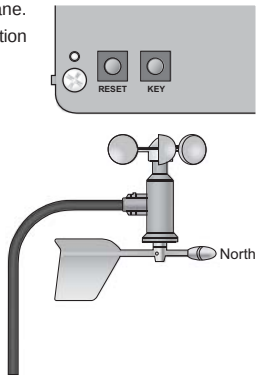
DIRECTION CALIBRATION

Before pairing a wind sensor, make sure the head of the wind vane of that sensor point to the north while pressing **KEY** for 2 seconds in the transmitter box to calibrate the direction. If the calibration is successful, red light flashes once. You can use a compass to look for an accurate direction of north if necessary.

However, if you are the user in North America, there are already 15°(degree) variations existing between the true north and a compass reading of north. You can consult your local observatory about this issue.

If it is difficult to control the wind vane after installation, you can calibrate through setting on main unit.

1. Make a compass approach to the wind vane.
2. Calculate the angle between the current direction and the north direction.
3. Press [ ] wind area to activate.
4. Press and hold [SET], and then press [▼] or [▲] to calibrate the angle value.
5. Press [SET] again to confirm setting.



For example, inputting the angle value that you want to set as north. If current direction is 25 degree and you want to set it as north, then you input 25 degree in the calibration mode. Once you return to the idol mode, the direction reading displays 0 degree, which is the north.

NOTE You need to calibrate the wind sensor again if you want to relocate the sensor.

WIND SPEED / DIRECTION

To select wind display mode:

Press [ ] wind area to toggle between:

- **GUST** (Gust)
- **AVG** (Average)

To select wind speed unit:

Press [UNIT] to switch among:

- Knots (**knots**)
- Kilometres per hour (**km/h**)
- Miles per hour (**mph**)
- Metres per seconds (**m/s**)

The wind level is shown by a series of text icons:

LIGHT	MODERATE	STRONG	STORM
2-8 mph (3-13 km/h)	9-25 mph (14-41 km/h)	26-54 mph (42-87 km/h)	>55 mph (>88 km/h)

To read the wind direction:

Status	Wind Direction Indicator	Meaning
GUST	➤	Real-time wind direction
AVG	➤	Real-time average wind direction
AVG	➢ (Max 6 sets)	Wind direction of last 1 hour

NOTE The wind chill factor is based on the combined effects of temperature and wind speed. Displayed wind chill is calculated solely from channel 1 thermometer and humidity sensor.

BAROMETRIC PRESSURE

The altitude reflects distance from sea level at your position.

To set the altitude level compensation for the barometric readings:

1. Press [ ] area to activate. ◀ displays next to the area and the tool bar displays at the below of the screen.
2. Press the area until **ALT** displays on the screen. You are in altitude mode.
3. Press and hold [SET] on the tool bar.
4. Press [▼] or [▲] to edit. You can press [UNIT] to change the altitude unit between **M** (Meter) and **FEET** (Feet) while editing.
5. Press [SET] to confirm or touch panel area (except tool bar/barometer area) to confirm.
6. After setting altitude, the new altitude setting will not be effective immediately. The **ALT** icon flashes and stops flashing until the next pressure sampling. The new altitude setting takes effect on the new pressure sampling.

NOTE When altitude is set to 0 meter, the pressure reading is the local pressure. If the altitude is set to the current location, the new pressure reading is an offset pressure to the sea level.

To select the measurement unit for the barometer:

1. Press [ ] barometer area to toggle between altitude and current barometer.
2. Press [UNIT] to select **inHg** (inches of mercury) / **mmHg** (millimetres of mercury) / **mb** (millibars per hectopascal) / **hPa**.

To view pressure trend:

The barometric pressure trend icons are based on recent sensor readings.

The trend lines are shown next to the pressure readings. The trend is shown as follows:

Rising	Steady	Falling
↗	→	↘

RAINFALL

To select rainfall display mode:

Press [ ] rain area to toggle between:

- **THIS HOUR** (Hourly rainfall)
- **RATE** (Rain rate)
- **ACCUM** (Accumulated rainfall)
- **PAST 24 hrs** (Rainfall recorded in the past 24 hours)

To select the measurement unit for the rainfall:

Press [UNIT] to select between **mm** (millimeter) and **in** (inch).

To select the measurement unit for the rainfall rate:

Press [UNIT] to select between **in/hr** (inch per hour) and **mm/hr** (millimeter per hour).

ACCUMULATED RAINFALL

To display accumulated rainfall:

Press [ ] rain area repeatedly until **ACCUM** display. (**SINCE** displays in the [ ] clock area that displays the start date / time of rainfall recording simultaneously).

To reset SINCE time:

Press and hold **MEM** to set current time as start of accumulated rainfall records. The rainfall record is cleared and reset to 0.

BAR CHART

The [ ] bar chart simultaneously displays the data while you press on the corresponding area.

To select chart display mode:

Press on the below areas to toggle among these chart displays.

- **IN TEMP** (Indoor temperature)
- **IN HUM** (Indoor humidity)
- **OUT TEMP** (Outdoor temperature)
- **OUT HUM** (Outdoor humidity)
- **DEWPOINT** (Dew point)
- **HEAT INDEX** (Heat index)

- **WIND CHILL** (Wind chill)
- **WIND** (Wind speed)
- **BARO** (Barometer)
- **RAINFALL** (Rain)

To select time range display mode:

Press [ ] bar chart area to toggle the chart records between the following time ranges.

- **LAST 24 HRS** (Past 24 hours)
- **LAST 24 DAYS** (Past 24 days)
- **LAST 24 MTHS** (Past 24 months)

To select record range display mode:

Press [ ] bar chart area, and then press [MEM] to toggle the chart records between the following ranges.

- **MAX** (Maximum record)
- **MIN** (Minimum record)

NOTE The purpose of the bar chart is to provide a quick comparison between the records. Changing the measurement unit will have corresponding effect on the bar chart display.

MEMORY

MAX / MIN OF TODAY / MONTHLY RECORDS

Area	Type of Memory	Indicators	
Temperature	Current indoor / outdoor temperature	MONTHLY	MAX
			MIN
		TODAY	MAX
			MIN
	Heat index	MONTHLY	MAX
		TODAY	
	Wind chill	MONTHLY	MIN
		TODAY	
	Dewpoint	MONTHLY	MAX
		TODAY	MIN
Humidity	Current indoor / outdoor humidity	MONTHLY	MAX
			MIN
		TODAY	MAX
			MIN
Wind	Gust wind speed	MONTHLY	MAX
		TODAY	
Barometer	Barometer	MONTHLY	MAX
			MIN
		TODAY	MAX
			MIN
Rain	Rain rate	MONTHLY	MAX
		TODAY	
	Rainfall	MONTHLY	MAX
		TODAY	

To view memory records:

1. Press desired area to activate.
2. Press [MEM] to toggle between **MIN**/**MAX** of **TODAY**/**MONTHLY** recorded readings.

To clear individual area records:

1. Select a record in memory.
2. Press and hold [MEM] for 2 seconds.
3. Delete process is complete when display changes to current reading.

NOTE When **MAX**/**MIN** reading displays, the corresponding timestamp will be displayed in the [ ] area

HOURLY RECORDS

Display	Hourly readings of up to
Barometer	24 hours back
Hourly Rainfall	24 hours back

To view hourly records:

1. Press desired area to activate until the hour frame displays.
2. Press [∨] or [∧] to view current (**0 hr**) / hourly reading (from -**1hr** to -**24hr**).

DATA LOG

The weather data can be automatically saved by setting data logger, and then you can view the data through a PC program by uploading to the PC.

To set data log:

1. Press [ ] area, then press [MEM] to activate **DATA LOG** mode.
2. Press and hold [SET].
3. Press [∨] or [∧] to select frequency of data recording (**1** / **5** / **15** / **60** minutes).
4. Press [SET].
5. Number of days memory will allow for records will be displayed.

Frequency In Minutes	No. of Days Available for Data Logging with Memory Available
1	22D (3 weeks)
5	113D (3.5 months)
15	341D (10.5 months)
60	1364D (3.5 years)

To view remaining days for records:

Press [MEM] area.

NOTE When **DATA LOG** is almost full, **DATA LOG** flashes to remind you to transfer the data to PC for storage. Otherwise, data logger cannot log any more data when it is full.

To upload records to PC:

Plug the small end of the USB cable to USB port on the main unit and the big end of the cable into the USB port of the PC. The records will be uploaded onto the software run by the PC via the USB cable.

⇢ displays in [ ] area on main unit.

NOTE PC program provided must be installed before uploading of records from main unit.

To clear records:

1. Press [ ] area, then press [MEM], **DATA LOG** displays.
2. Press and hold [MEM].
3. After all the data cleared, the display shows the new time remaining. Delete process is complete and successful.

ALARM

Weather alarms are used to alert you of certain weather conditions. Once activated, the alarm will turn on and start flashing when a certain criterion is met. The alarm does not flash and goes back to normal until the reading is not beyond the alarm setting anymore.

Area	Type of Alarm	
Clock	Daily alarm	
Temperature	Current indoor / outdoor temperature	HI
		LO
	Heat index	HI
	Dew point	HI
		LO
	Wind chill	LO
Humidity	Current indoor / outdoor humidity	HI
		LO
Wind	Gust wind speed	HI
Barometer	Barometric pressure	*
Rain	Rain rate	HI
	Past 24-hour rainfall	HI

**Barometric pressure alarm is a pressure drop alarm*

To set the alarm:

1. Press desired area to activate.
2. Toggle [ALARM] to display current reading and **HI** / **LO** alarm.
3. Press and hold [ALARM].
4. Press [∨] or [∧] to set the desired values.

5. Press
   - ALARM to confirm and continue to next setting

   OR
   - Touch anywhere on the screen (except tool bar / [redacted] area) to confirm and exit.

To enable / disable alarms:

1. Press desired area to activate.
2. Press ALARM to display set **HI** / **LO** alarm.
3. Press ALARM to turn alarm on or off.

NOTE **- -** indicates alarm is not set / disabled.

NOTE Clock alarm sound is different from weather alarms to allow for easy differentiation by user.

To silence any alarm:

- Press anywhere on the touch panel.

OR

- The alarm automatically turns off after 2 minutes.

NOTE When alarm is on, the channel of triggered alarm will be flashed and alarm sound lasts for 2 minutes.

BACKLIGHT

Press anywhere on the touch panel to activate the backlight for 8 seconds.

OR

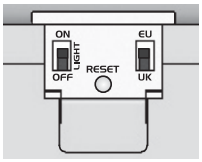
If the main unit is powered by power adapter, switch the **LIGHT** to **ON** in the main unit compartment. The light will be on until you switch it **OFF**.

NOTE You need to take off the battery compartment cover to do switching.

RESET

Main unit:

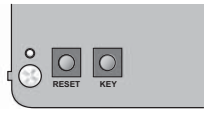
Press **RESET** to return to the default settings.



NOTE You need to take off the battery compartment cover to do switching.

Transmitter box:

Press **RESET** to remove the record of the calibrated wind direction.



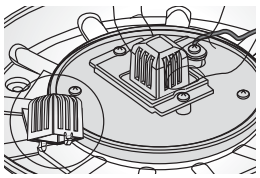
MAINTAINANCE

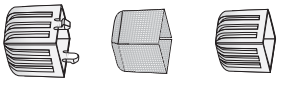
Each sensor of this kit has a durable plastic casing that should retain its luster for many years. It is better to do regular maintenance to keep the sensors with high accuracy every half year. Do cleaning the casing only with a soft cloth slightly dampened with water or a mild soap. Please use screw drivers or wrench to take some parts off if necessary.

Electrical storms can sometimes cause power surges harmful to electronic equipment. For your own safety, take caution when using the main unit or doing maintenance during storms.

<u>To Maintain the Thermo/Hygro Sensor (THGN300)</u>

1. Remove the rain collector from the rain gaug.
2. Unscrew the three type B screws from the rain gauge.
3. Unscrew the three screws from the bottom of the thermo/hygro sensor casing.
4. Take off the white sensor protective cap by squeezing its two sides with some pressure.
5. Extract the inner cap and filter screen from the outer cap.
6. Clean the filter screen and casing with water.
7. Install all the parts until they are entirely dried.

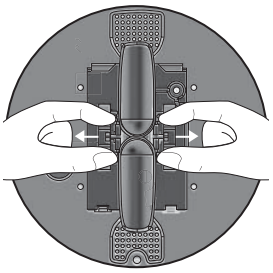




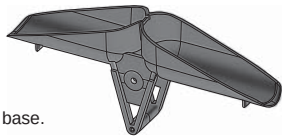
NOTE If the temperature and humidity readings are still strange and inaccurate, you need to consider replacing this sensor, please contacting our customer service for the details.

<u>To Maintain the Rain Gauge (PCR300)</u>

Clean the hole of the rain collector and the tipping bucket for maintaining accuracy is very important.



1. Check the filter regularly and ensure it is not fully covered by the leaves or other objects. Clean the hole of the rain collector by water.
2. Pulling bucket holder a little distance to take off the tipping bucket for cleaning the dirt by water. Ensure the surface of the tipping bucket without droplet before returning to the bucket holder, which affects the accuracy.
3. Clean the drain holes on the rain gauge base.



NOTE The user should unplug the rain sensor before cleaning. Otherwise, the tipping bucket still makes data.

<u>To Maintain the Wind sensor (WGR 300)</u>

If the wind cup doesn't spin in the wind or does not spin as fast as they should

1. Remove the wind cup and clear out all bugs, spider webs or debris.
2. Ensure the O-ring surrounding the shaft keeps over 0.3mm gap from plastic. If there is any friction or interference between the O-ring and plastic, it will make the wind cup spinning slowly and affect the reading accuracy of wind speed.

NOTE Do not apply any fluid lubricant on the shaft and bearing. It probably breaks the inner electronic components.

TROUBLE SHOOTING

Problem	Symptom	Remedy
Barometer	Strange readings	Check altitude setting on the main unit.
Wind sensor	No updates of the wind direction	Check the wind vane.
	Display dashes on main unit	1. Check the connections. 2. Check the channel setting. 3. Check the pairing successful or not.
Rain sensor	No readings	1. Check the cable tie on the tipping bucket to be cut away or not. 2. Check the balance indicator. 3. Check the plastic filter in rain collector. 4. Check the connections.
	Strange readings	1. Check the plastic filter in the rain collector. 2. Check the balance indicator.
Temp/hygro sensor	Display dashes	1. Check the connections. 2. Check the pairing. 3. Check the channel setting.
	No outdoor temp/ hygro readings	1. Check the rechargeable battery in transmitter box. 2. Check the power adapter connection and main unit batteries status. 3. Do maintenance for the sensor.
Calendar	Strange date / month	1. Change language. 2. Check the calendar setting.
Clock	Cannot adjust clock	Disable radio-controlled clock.
	Cannot auto-synchronize	1. Check batteries status. 2. Reset the main unit. 3. Manually activate radio controlled clock.
Sunrise/ Sunset	Strange readings	1. Set longitude/latitude. 2. Check the daylight saving time setting.
Transmitter box	LED light(s) do not flash	1. Check the switch. 2. Check the polarity of the rechargeable battery. 3. Check the connection of the solar panel.
Sensors pairing	Time is too long	1. Adjust the antennas to be parallel. 2. Reset the pairing switch (switch off then on again).

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.
- 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.

SPECIFICATIONS

MAIN UNIT

Dimensions (L x W x H)	205 x 146 x 52.5 mm (8.07 x 5.75 x 2.07 inches)
Weight	740g (1.63lbs) with batteries; 540 g (1.2lbs) without battery
Battery	3 x C size 1.5V batteries
Adaptor	DC 6V 100mA adapter
Support channels	1wind, 1rain, 1UV, 1solar and 1~8 thermo/hygro

INDOOR BAROMETER

Barometer unit	Mb,hPa, inHg and mmHg
Measuring range	540 to 1,100mb/hPa
Accuracy	+/- 1mb/hPa between 677 & 1,016hPa
Resolution	0.1mb/hPa ,0.01inHg, 0.1mmHg (remark: inHg and mmHg converted from the pressure of 0.1mb resolution)
Altitude setting	-600m ~ 4570m (-999feet ~ 14993 feet) User setting for offset local pressure to sea level pressure
Weather forecast	Sunny, Snowy, Partly Cloudy, Cloudy and Rainy
Display modes	Current, Max, Min, Historical data for last 24hrs
Memory modes	Today Max & Min, Monthly Max & Min (with time stamp)
Alarm	Pressure change alarm

INDOOR TEMPERATURE

Temp. unit	˚C or ˚F
Displayed range	0˚C to 60˚C
Operating range	0˚C to 60˚C
Accuracy	+/- 0.5˚C or 1˚F typical at room temperature
Resolution	0.1˚C or 0.1˚F (remark: ˚F convert from 0.1˚C display)
Display modes	Current, Min and Max
Memory modes	Today Max & Min, Monthly Max & Min (with time stamp)
Alarm	Hi / Lo

INDOOR RELATIVE HUMIDITY

Displayed range	0% to 99%RH
Operating range	0% to 99%RH
Resolution	1%
Accuracy	+/-3% (Typical) @ 25˚C
Display modes	Current, Min and Max
Memory modes	Today Max & Min, Monthly Max & Min (with time stamp)
Alarm	Hi / Lo

RADIO-CONTROLLED / ATOMIC CLOCK

Synchronization	Auto or disabled
Clock display	HH:MM:SS / HH:MM Weekday
Hour format	12hr AM/PM or 24hr
Calendar	DD/MM/YR or MM/DD/YR
Weekday in 6 languages	EN, FR, DE, IT, ES, RU

OUTDOOR TEMPERATURE / HUMIDITY UNIT RELATIVE TEMPERATURE

Dimensions (Ø x H)	Ø190 x 126 mm (Ø7.48 x 4.96 inches)
Weight	580g(1.28lbs)
Temp. unit	˚C or ˚F
Displayed range	-40˚C to 65˚C
Operating range	-40˚C to 65˚C
storage temperature	-45˚C to 70˚C
Resolution	0.1˚C
Accuracy	+/- 0.5 ˚C
Memory modes	Today Max & Min, Monthly Max & Min (with time stamp) Dew point temp. Max and Min Wind chill temp. Min Heat index temp. Max
Alarm	Hi / Lo for current temp and dew point Hi for heat index Lo for wind chill

RELATIVE HUMIDITY

Displayed range	0% to 99%RH
Operating range	0% to 99%RH
Resolution	1%
Accuracy	3%
Display modes	Current, Min and Max
Memory modes	Today Max & Min, Monthly Max & Min (with time stamp)
Alarm	Hi / Lo

SOLAR RF TRANSMITTER BOX

Dimensions (L x W x H)	178 x 154 x 91.7mm (7 x 6.06 x 3.61 inches)
Weight	530 g (1.2 lbs)
Battery	1.2 V recharged battery
RF frequency	915Mhz (US) / 868Mhz (EU, UK)
Range	300 meters (1000 feet), line of sight no obstructions
Transmission intervals	Wind: 2.5~3 sec TH: 10~12 sec Rain: 20~24 sec
Channel	1wind, 1rain, 1UV, 1solar and 1thermo/hygro

RAIN GAUGE

Dimensions (L x W x H)	287.5 x 226 x 279 mm (11.32 x 8.90 x 10 inches)
Weight	1213g (2.674lbs)
Operating temperature	-40 ~ +65˚C
Storage temperature	-45 ~ + 70˚C
Unit for rainfall	mm and in
Unit for rain rate	mm/hr and in/hr
Range for rainfall	0~393.6 inches
Range for rain rate	0~1016mm/hr
Resolution	0.01inches (0.254mm) typical
Accuracy for rainfall	+/- 4%

Accuracy for rain rate	±5% 0~ 127mm/Hr (0~5 in/hr)
Memory modes	Acc rainfall for last memory reset Max rain rate
Display modes	Rain rate, Rainfall (Past 24hrs/Hourly/Accumulated)
Alarm	Hi for rain rate & past 24 hr

WIND SENSOR UNIT

Dimensions (L x W x H)	516 x 345.5 x 135 mm (20.31 x 13.60 x 5.32 inches)
Weight	520g (1.15lbs)
Operating temperature	-40 ~ +65˚C
Storage temperature	-45 ~ + 70˚C
Wind speed unit	m/s, km/h, mph, knots
Wind speed range	0~80m/s
Wind speed resolution	0.1mph or 0.1knot or 0.1m/s
Speed accuracy	+/- 0.9m/s (under 18m/s) +/- 5% (above 18m/s)
Direction resolution	1º
Direction accuracy	3º
Memory modes	Today/Monthly Max gust speed with direction (with time stamp)
Display modes	Gust/average wind speed & direction
Alarm	Hi for Gust speed

ABOUT OREGON SCIENTIFIC

Visit our website www.oregonscientific.com to learn more about Oregon Scientific products.

For any enquiry, please contact our Customer Services at info@oregonscientific.com.

EU-DECLARATION OF CONFORMITY

Hereby, Oregon Scientific, declares that this Ultra-precision Professional Weather System (model: WMR300 / WMR300A) 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 (CH) and Norway (N)

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.:	WMR300/WMR300A
Product Name:	Ultra-precision Professional Weather System
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.

Oregon SCIENTIFIC

Ultra-precision Professional Weather System

Model: WMR300 / WMR300A

USER MANUAL

P/N: 300103309-00001-10