

# nylex

## Digital Weatherstation PRO

USER MANUAL | Product Code 719042



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## OVERVIEW

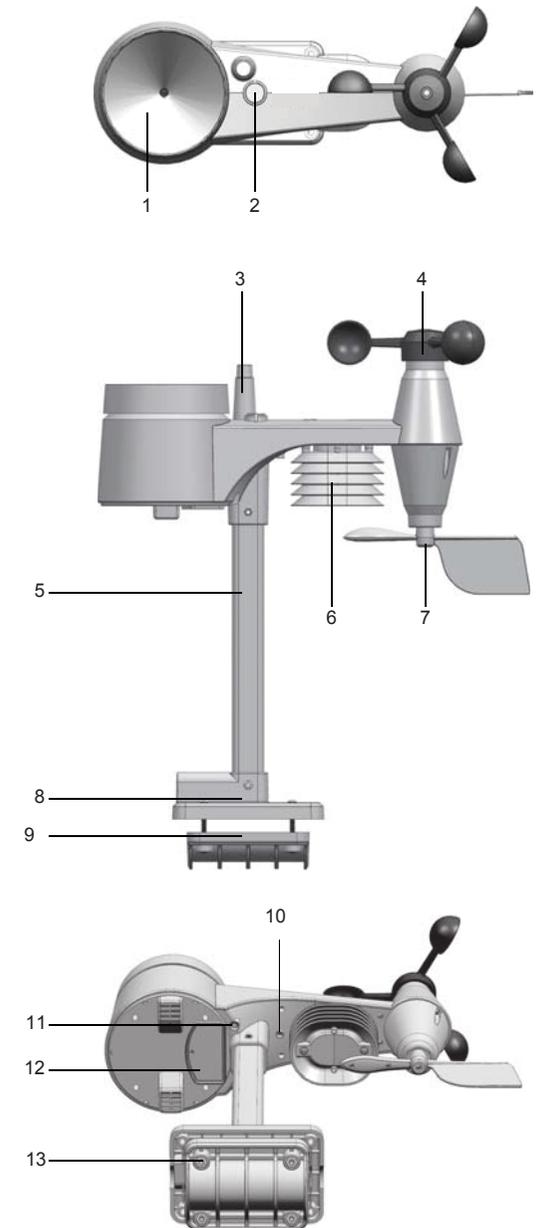
### LCD Monitor

1. SNOOZE / LIGHT button
2. HISTORY button
3. MAX/MIN button
4. RAINFALL button
5. BARO button
6. WIND button
7. °C/°F slide switch
8. CLOCK button
9. ALARM button
10. ALERT button
11. DOWN button
12. UP button
13. °C/°F slide switch
14. SCAN button
15. RESET button
16. Battery compartment
17. Alert LED indicator
18. LCD display with backlight
19. Table stand



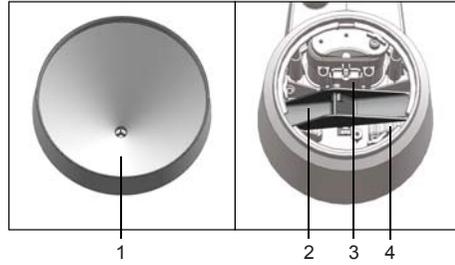
### Wireless Sensor

1. Rain collector
2. Balance indicator
3. Antenna
4. Wind cups
5. Mounting pole
6. Radiation shield
7. Wind vane
8. Mounting base
9. Mounting clamp
10. Red LED indicator
11. RESET button
12. Battery door
13. Screws



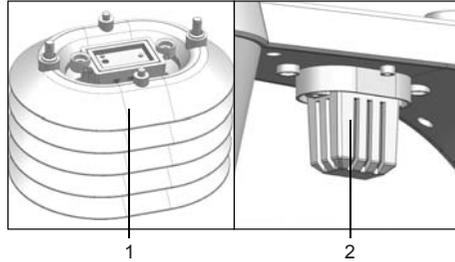
## Rain gauge

1. Rain collector
2. Tipping bucket
3. Rain sensor
4. Drain holes



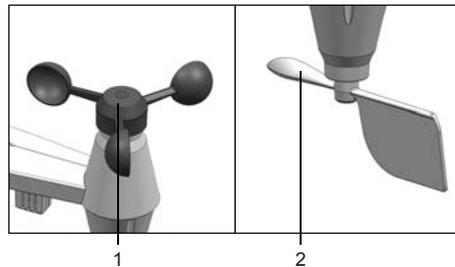
## Temperature and humidity sensor

1. Radiation shield
2. Sensor casing (Temperature and humidity sensor)



## Wind sensor

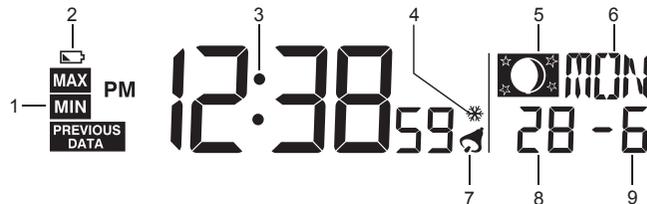
1. Wind cups (anemometer)
2. Wind vane



## LCD MONITOR

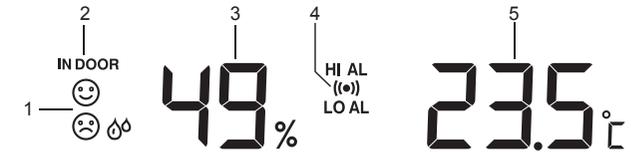
### Normal time and calendar / Moon phase

1. Max/Min/Previous indicator
2. Low battery indicator for main unit
3. Time
4. Ice pre-alert on
5. Moon phase
6. Day of the week
7. Alarm icon
8. Date
9. Month



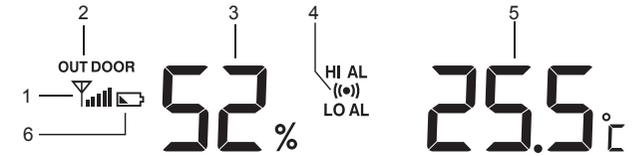
## Indoor temperature and humidity

1. Comfort/cold/hot icon
2. Indoor indicator
3. Indoor humidity
4. Hi / Lo Alert and Alarm
5. Indoor temperature



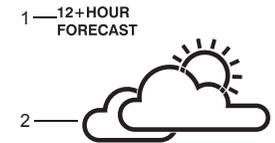
## Outdoor temperature and humidity

1. Outdoor signal strength indicator
2. Outdoor indicator
3. Outdoor humidity
4. Hi / Lo Alert and Alarm
5. Outdoor temperature
6. Low battery indicator for sensor



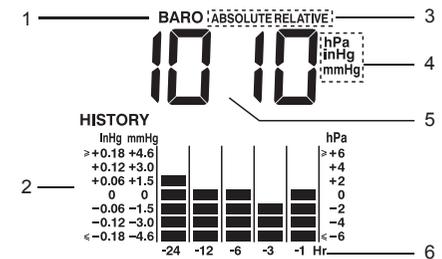
## 12+ Hour forecast

1. Weather forecast indicator
2. Weather forecast icon



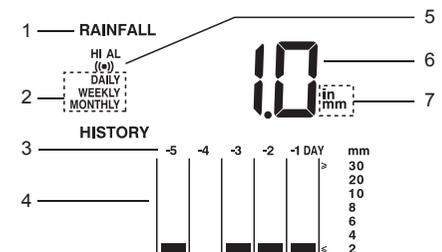
## Barometer

1. Barometer indicator
2. Histogram
3. Absolute/Relative indicator
4. Barometer measurement unit (hPa / inHg / mmHg)
5. Barometer reading
6. Hourly records indicator



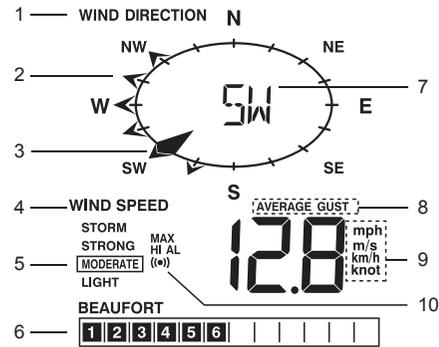
## Rainfall

1. Rainfall indicator
2. Time range record indicator
3. Day records indicator
4. Histogram
5. Hi Alert and Alarm
6. Current rainfall rate
7. Rainfall unit (in / mm)



## Wind direction/Wind speed

1. Wind direction indicator
2. Wind direction indicator(s) during last hour
3. Current wind direction indicator
4. Wind speed indicator
5. Wind levels and indicator
6. Beaufort scale reading
7. Current wind direction reading
8. Average/Gust wind indicator
9. Wind speed unit (mph / m/s / km/h / knot)
10. Hi Alert and Alarm



## Wind chill/ Heat index/ Indoor dewpoint

1. Wind chill/ Heat index/ Indoor dewpoint indicator
2. Wind chill/ Heat index/ Indoor dewpoint reading



## INSTALLATION

### Wireless Sensor

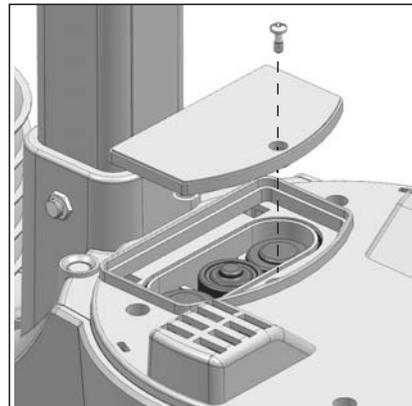
Your wireless sensor measures wind-speed, wind-direction, rainfall, temperature and humidity for you. It's fully assembled and calibrated for your easy installation.

### Battery and installation

Unscrew the battery door at bottom of unit and insert the batteries according to the "+/-"polarity indicated. Screw the battery door compartment on tightly.

Note:

1. Ensure the water tight O-ring is properly aligned in place to ensure water resistant.
2. The red LED will begin flashing every 12 seconds.



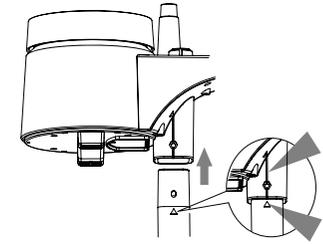
## ASSEMBLE THE STAND AND POLE

### Step 1

Insert the top side of the pole to the square hole of the weather sensor.

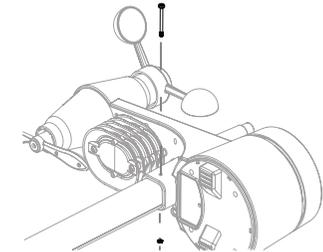
Note:

Ensure the pole and sensor's indicator align.



### Step 2

Place the nut in the hexagon hole on the sensor, then insert the screw in other side and tighten it by the screw driver.

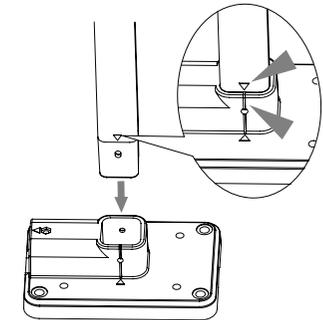


### Step 3

Insert the other side of the pole to the square hole of the plastic stand.

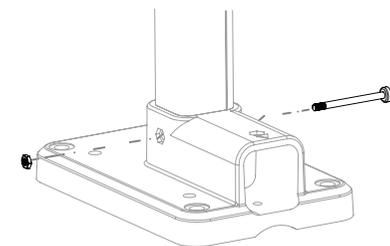
Note:

Ensure the pole and stand's indicator align.

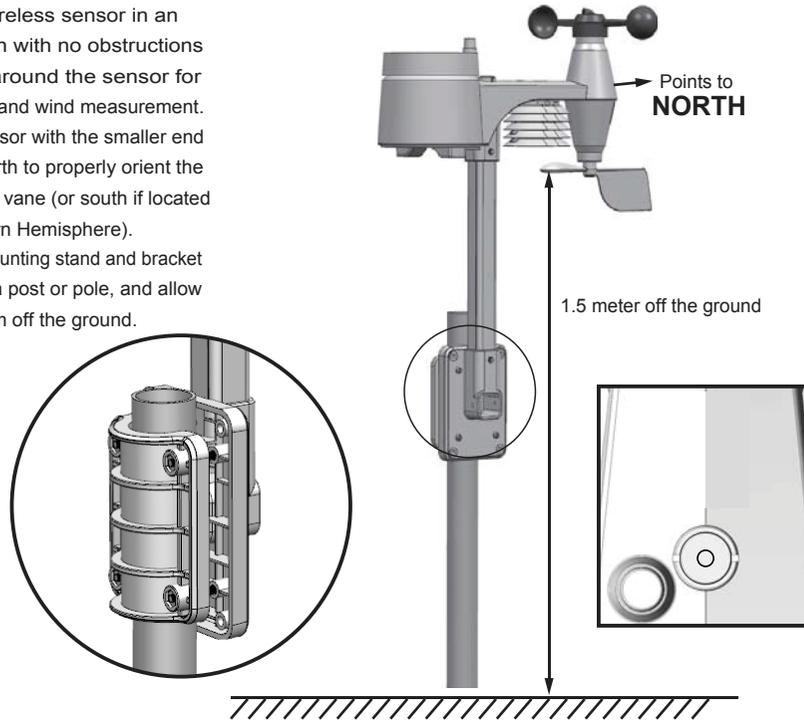


### Step 4

Place the nut in the hexagon hole of the stand, then insert the screw in other side and then tighten it by the screw driver.



Install the wireless sensor in an open location with no obstructions above and around the sensor for accurate rain and wind measurement. Install the sensor with the smaller end facing the North to properly orient the wind direction vane (or south if located in the Southern Hemisphere). Secure the mounting stand and bracket (included) to a post or pole, and allow minimum 1.5m off the ground.

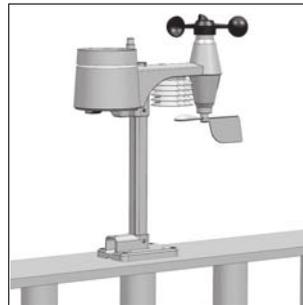


### Mounting guidelines:

1. Install the wireless sensor at least 1.5m off the ground for better and more accurate wind measurements.
2. Choose an open area within 150 meters from the LCD display Main Unit.
3. Install the wireless sensor as level as possible to achieve accurate rain and wind measurements. A bubble level device is provided to ensure a level installation.
4. Mount the wireless sensor with the wind meter end pointing to the North to correctly orient direction of the wind vane (or South if located in the Southern Hemisphere).



A. Mounting on pole (Pole Diameter 1"~1.3" (25~33mm))



B. Mounting on the railing

## LCD MONITOR

### Stand and batteries installation

The unit is designed for desktop or wall mount for easy viewing.



1. Remove the battery door of the main unit.
2. Insert 3 new AA size batteries according to the "+/-" polarity mark on the battery compartment.
3. Replace the battery door.
4. Once the batteries are inserted, all the segments of the LCD will be shown briefly.

Note:

1. If no display appears on the LCD after inserting the batteries, press the RESET button by using a pointed object.

### Pairing of Wireless Sensor with LCD Monitor

After insertion of batteries, the Display Main Unit will automatically search and connect the wireless 5-in-1 sensor (antenna blinking).

Once the connection is successful, antenna mark and readings for outdoor temperature, humidity, wind speed, wind direction, and rainfall will appear on the display.

### Changing batteries and manual pairing of sensor

Whenever you changed the batteries of the wireless 5-in-1 sensor, pairing must be done manually.

1. Change the batteries to new ones.
2. Press and hold the [SCAN] button for 2 seconds.
3. Press the [RESET] button on the sensor.

Note:

1. Pressing [RESET] button at bottom of wireless 5-in-1 sensor will generate a new code for pairing purpose.
2. Always dispose old batteries in an environmental safe manner.

## To manually set the clock

1. Press and hold [CLOCK] button for 2 seconds until "12 or 24Hr" flashes.
2. Use [UP]/[DOWN] button to adjust, and press [CLOCK] button to proceed to the next setting.
3. Repeat 2 above for setting of **HOURL, MINUTE, SECOND, YEAR, MONTH, DATE, HOUR OFFSET, LANGUAGE** and **DST**.

Note:

1. The unit will automatically exit setting mode if no button was pressed in 60 seconds.
2. Range of hour offset is between -23 and +23 hours.
3. The language options are English (EN), French (FR), German (DE), Spanish (ES), and Italian (IT).
4. For above mentioned "DST" setting, the actual product does not have this feature, as it is Non-RC version.

## To turn on/off alarm clock (with ice-alert function)

1. Press the [ALARM] button anytime to show the alarm time.
2. Press [ALARM] button to activate the alarm.
3. Press again to activate alarm with ice-alert function.
4. To disable the alarm, press until the alarm icon disappears.



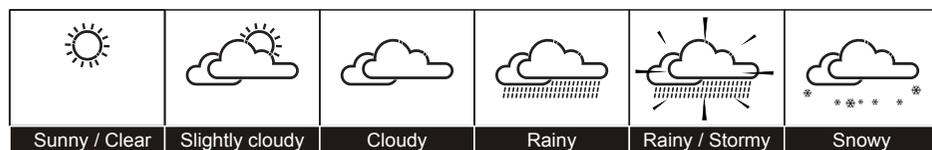
## To set the alarm time

1. Press and hold [ALARM] button for 2 seconds to enter alarm setting mode. HOUR will begin to flash.
2. Use [UP]/[DOWN] button to adjust HOUR, and press [ALARM] button to proceed to set MINUTE.
3. Repeat 2 above to set MINUTE, then press [ALARM] button to exit.

Note: Pressing the [ALARM] button twice when alarm time is being displayed will activate the temperature-adjusted pre-alarm. The alarm will sound 30 minutes earlier if it detects outside temperature is below -3°C.

## WEATHER FORECAST

The device contains sensitive pressure sensor built-in with sophisticated and proven software that predicts weather for the next 12 ~ 24 hours within a 30 to 50km (19-31 miles) radius.



Note:

1. The accuracy of a general pressure-based weather forecast is about 70% to 75%.
2. The weather forecast is meant for the next 12 hours, it may not necessarily reflect the current situation.
3. The "Snowy" weather forecast is not based on the atmospheric pressure, but based on the outdoor temperature. When the outdoor temperature is below -3°C (26°F), the "Snowy" weather indicator will be displayed on the LCD.

## BAROMETRIC / ATMOSPHERIC PRESSURE

Atmospheric Pressure is the pressure at any location of the Earth caused by the weight of the column of air above it. One atmospheric pressure refers to the average pressure and gradually decreases as altitude increases.

Meteorologists use barometers to measure atmospheric pressure. Since variation in atmospheric pressure greatly affected by weather, it is possible to forecast the weather by measuring the changes in pressure.

## To select the display mode:

Press and hold [BARO] button for 2 seconds to toggle between:

- **ABSOLUTE** the absolute atmospheric pressure of your location
- **RELATIVE** the relative atmospheric pressure based on the sea level

## To set relative atmospheric pressure value:

1. Get the atmospheric pressure data of the sea level (it is also the relative atmospheric pressure data of your home area) through the local weather service, internet and other channels.
2. Press and hold [BARO] button for 2 seconds until "ABSOLUTE" or "RELATIVE" icon flashes.
3. Press [UP]/[DOWN] button to switch to "RELATIVE" mode.
4. Press [BARO] button once again until the "RELATIVE" atmospheric pressure digit flashes.
5. Press [UP]/[DOWN] button to change its value.
6. Press [BARO] button to save and exit the setting mode.

Note:

1. The default relative atmospheric pressure value is 1013 mb/hPa (29.91 inHg), which refers to the average atmospheric pressure.
2. When you change the relative atmospheric pressure value, the weather indicators will change along with it.
3. The built-in barometer can notice the environmental absolute atmospheric pressure changes. Based on the data collected, it can predict the weather conditions in the forthcoming 12 hours. Therefore, the weather indicators will change according to detected absolute atmospheric pressure after you operate the clock for 1 hour.
4. The relative atmospheric pressure is based on the sea level, but it will change with the absolute atmospheric pressure change after operating the clock for 1 hour.

## To select the measurement unit for the barometer:

1. Press the [BARO] button to enter unit setting mode.
2. Use the [BARO] button to change the unit between **inHg** (inches of mercury) / **mmHg** (millimeter of mercury) / **mb** (millibars per hectopascal) / **hPa**.
3. Press [BARO] button to confirm.

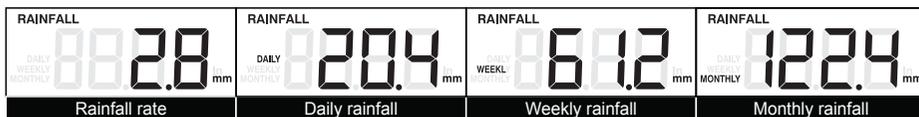
## RAINFALL

### To select the rainfall display mode:

The device displays how many mm / inches of rain are accumulated in a one hour time period, based on current rainfall rate.

Press [RAINFALL] button to toggle between:

- **RATE** Current rainfall rate in past an hour
- **DAILY** The DAILY display indicate the total rainfall from midnight
- **WEEKLY** The WEEKLY display indicate the total rainfall from the current week
- **MONTHLY** The MONTHLY display indicate the total rainfall from the current calendar month



Note: Rain rate is updated every 6 minutes, at every hour on the hour, and at 6, 12, 18, 24, 30, 36, 42, 48, 54 minute past the hour.

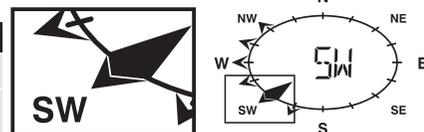
### To select the measurement unit for the rainfall:

1. Press and hold [RAINFALL] button 2 seconds to enter unit setting mode.
2. Use [UP] / [DOWN] button to toggle between **mm** (millimeter) and **in** (inch).
3. Press [RAINFALL] button to confirm and exit.

## WIND SPEED / DIRECTION

### To read the wind direction:

Wind Direction Indicator	Meaning
	Real-time wind direction
	Wind directions appeared in last 5 minutes (max 6)



### To select the wind display mode:

Press [WIND] button to toggle between:

- **AVERAGE** The AVERAGE wind speed will display the average of all wind speed numbers recorded in the previous 30 seconds
- **GUST** The GUST wind speed will display the highest wind speed recorded from last reading



The wind level provides a quick reference on the wind condition and is indicated by a series of text icons:

Level	LIGHT	MODERATE	STRONG	STORM
Speed	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 select wind speed unit:

1. Press and hold [WIND] button for 2 seconds to enter unit setting mode.
2. Use the [UP] / [DOWN] button to change the unit between **mph** (miles per hour) / **m/s** (meter per second) / **km/h** (kilometer per hour) / **knots**.
3. Press [WIND] button to confirm and exit.

## BEAUFORT SCALE

Beaufort scale is an international scale of wind velocities from 0 (calm) to 12 (Hurricane force).

Beaufort number	Description	Wind speed	Land conditions
0	Calm	< 1 km/h	Calm. Smoke rises vertically.
		< 1 mph	
		< 1 knot	
		< 0.3 m/s	
1	Light air	1.1–5.5 km/h	Smoke drift indicates wind direction. Leaves and wind vanes are stationary.
		1–3 mph	
		1–3 knot	
		0.3–1.5 m/s	
2	Light breeze	5.6–11 km/h	Wind felt on exposed skin. Leaves rustle. Wind vanes begin to move.
		4–7 mph	
		4–6 knot	
		1.6–3.4 m/s	
3	Gentle breeze	12–19 km/h	Leaves and small twigs constantly moving, light flags extended.
		8–12 mph	
		7–10 knot	
		3.5–5.4 m/s	
4	Moderate breeze	20–28 km/h	Dust and loose paper raised. Small branches begin to move.
		13–17 mph	
		11–16 knot	
		5.5–7.9 m/s	
5	Fresh breeze	29–38 km/h	Branches of a moderate size move. Small trees in leaf begin to sway.
		18–24 mph	
		17–21 knot	
		8.0–10.7 m/s	
6	Strong breeze	39–49 km/h	Large branches in motion. Whistling heard in overhead wires. Umbrella use becomes difficult. Empty plastic bins tip over.
		25–30 mph	
		22–27 knot	
		10.8–13.8 m/s	
7	High wind	50–61 km/h	Whole trees in motion. Effort needed to walk against the wind.
		31–38 mph	
		28–33 knot	
		13.9–17.1 m/s	
8	Gale	62–74 km/h	Some twigs broken from trees. Cars veer on road. Progress on foot is seriously impeded.
		39–46 mph	
		34–40 knot	
		17.2–20.7 m/s	
9	Strong gale	75–88 km/h	Some branches break off trees, and some small trees blow over. Construction /temporary signs and barricades blow over.
		47–54 mph	
		41–47 knot	
		20.8–24.4 m/s	
10	Storm	89–102 km/h	Trees are broken off or uprooted, structural damage likely.
		55–63 mph	
		48–55 knot	
		24.5–28.4 m/s	
11	Violent storm	103–117 km/h	Widespread vegetation and structural damage likely.
		64–73 mph	
		56–63 knot	
		28.5–32.6 m/s	
12	Hurricane force	≥ 118 km/h	Severe widespread damage to vegetation and structures. Debris and unsecured objects are hurled about.
		≥ 74 mph	
		≥ 64 knot	
		≥ 32.7m/s	

## WIND CHILL / HEAT INDEX / DEW-POINT

### To view Wind Chill:

Press the [INDEX] button repeatedly until WINDCHILL displays.

Note: The wind chill factor is based on the combined effects of temperature and wind speed. The wind chill displayed is calculated solely from temperature and humidity measured from the 5-in-1 sensor.

### To view Heat Index:

Press the [INDEX] button repeatedly until HEAT INDEX displays.

Heat Index range	Warning	Explanation
27°C to 32°C (80°F to 90°F)	Caution	Possibility of heat exhaustion
33°C to 40°C (91°F to 105°F)	Extreme Caution	Possibility of heat dehydration
41°C to 54°C (106°F to 129°F)	Danger	Heat exhaustion likely
≥55°C (≥130°F)	Extreme Danger	Strong risk of dehydration / sun stroke

Note: Heat index is only calculated when temperature is 27°C/80°F or above, and based solely from the temperature and humidity measured from the 5-in-1 sensor.

### To view Dew-Point (Indoor)

Press the [INDEX] button repeatedly until DEWPOINT displays.

Note: The dew point is the temperature below which the water vapor in air at constant barometric pressure condenses into liquid water at the same rate at which it evaporates. The condensed water is called dew when it forms on a solid surface.

The dewpoint temperature is calculated from the indoor temperature and humidity measured at the Main Unit.

## HISTORY DATA (ALL RECORDS IN THE PAST 24 HOURS)

The Display main unit automatically record and display data of past 24 hours on the hour.

To check all the history data in the past 24 hours, press the [HISTORY] button.

E.g. Current time 7:25 am, Mach 28

Press [HISTORY] button repeatedly to view past readings at 7:00am, 6:00am, 5:00am, ..., 5:00am (Mar 27), 6:00am (Mar 27), 7:00am (Mar 27)

The LCD will display the past indoor and outdoor temperature & humidity, value of air pressure, wind chill, wind speed, rainfall and their time and date.

## MAXIMUM / MINIMUM MEMORY FUNCTION

- Press [MAX/MIN] button to check the maximum/minimum records. The checking orders will be: Outdoor max temperature → Outdoor min temperature → Outdoor max humidity → Outdoor min humidity → Indoor max temperature → Indoor min temperature → Indoor max humidity → Indoor min humidity → Outdoor max wind chill → Outdoor min wind chill → Outdoor max heat index → Outdoor min heat index → Indoor max dewpoint → Indoor min dewpoint → Max pressure → Min pressure → Max average → Max gust → Max rainfall.
- Press and hold [MAX/MIN] button for 2 seconds to reset the maximum and minimum records.

Note: When maximum or minimum reading is displayed, the corresponding timestamp will be shown.

## HI / LO ALERT

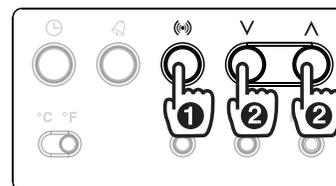
HI/LO alert are used to alert you of certain weather conditions. Once activated, the alarm will turn on and amber LED starts flashing when a certain criterion is met. The following are areas and type of alert provided:

Area	Type of Alert available
Indoor temperature	HI and LO alert
Indoor humidity	HI and LO alert
Outdoor temperature	HI and LO alert
Outdoor humidity	HI and LO alert
Rainfall	HI alert *
Wind speed	HI alert

Note: \* Daily rainfall since midnight.

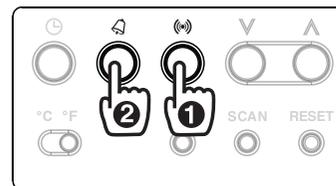
### To set the HI / LO alert

- Press the [ALERT] button until the desired area is selected.
- Use [UP] / [DOWN] buttons to adjust the setting.
- Press [ALERT] button to confirm and continue to next setting.



### To enable/disable the HI / LO alert

- Press [ALERT] button until the desired area is selected.
- Press [ALARM] button to turn the alert on or off.
- Press [ALERT] button to continue to next setting.



Note:

- The unit will automatically exit setting mode in 5 seconds if no button is pressed.
- When ALERT alarm is on, the area and type of alarm that triggered the alarm will be flashing and the alarm will sound for 2 minutes.
- To silence the Alert alarm beeping, press the [SNOOZE / LIGHT] / [ALARM] button, or let the beeping alarm automatically turn off after 2 minutes.

## WIRELESS SIGNAL RECEPTION



The sensor is capable of transmitting data wirelessly over an approximate operating of 150m range (line of sight).

Occasionally, due to intermittent physical obstructions or other environmental interference, the signal may be weakened or lost.

In the case that the sensor signal is lost completely, you will need to relocate the Display main unit or the wireless sensor.

## TEMPERATURE & HUMIDITY

### Comfort Indication

The comfort indication is a pictorial indication based on indoor air temperature and humidity in an attempt to determine comfort level.



Note:

1. Comfort indication can vary under the same temperature, depending on the humidity.
2. There is no comfort indication when temperature is below 0°C (32°F) or over 60°C (140°F).

## DATA CLEARING

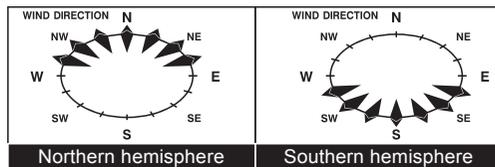
During installation of the wireless sensor, the sensors were likely to be triggered, resulting in erroneous rainfall and wind measurements. After the installation, user may clear out all the erroneous data from the Display Main Unit, without needing to reset the clock and re-establish pairing.

Simply press and hold the [HISTORY] button for 10 seconds. This will clear out any data recorded before.

## POINTING SENSOR TO THE SOUTH

The outdoor sensor is calibrated to be pointing to North by default. However, in some cases, users may wish to install the product with the arrow pointing towards the South, especially for people living in the Southern hemisphere (e.g. Australia, New Zealand).

1. First install the outdoor sensor with its arrow pointing to the South. (Please refer to Installation session for mounting details)
2. On the Display main unit, press and hold [WIND] button for 8 seconds until the upper part (Northern Hemisphere) of the compass lights up and blinking.
3. Use [UP] / [DOWN] to change to lower part (Southern Hemisphere).



4. Press [WIND] button to confirm and exit.

Note: Changing from hemisphere setting will automatically switch the direction of the moon phase on the display.

## ABOUT THE MOON PHASE

In the Northern hemisphere, the moon waxes (the part of the moon we see that glows after the New Moon) from the right. Hence the sun-lit area of the moon moves from right to left in the Northern Hemisphere, while in the Southern Hemisphere, it moves from left to right.

Below are the 2 tables which 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

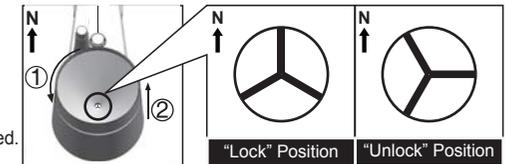
Southern hemisphere:

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

## MAINTENANCE

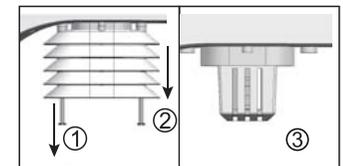
### To clean the rain collector

1. Rotate the rain collector by 30° anticlockwise.
2. Gently remove the rain collector.
3. Clean and remove any debris or insects.
4. Install all the parts when they are fully clean and dried.



### To clean the Thermo / Hygro sensor

1. Unscrew the 2 screws at the bottom of the radiation shield.
2. Gently pull out the shield.
3. Remove carefully any dirt or insects inside the sensor casing (Do not let the sensors inside get wet).
4. Clean the shield with water and remove any dirt or insects.
5. Install all the parts back when they are fully clean and dried.



## TROUBLESHOOTING

Problem / Symptom	Solution
Strange or no measurement of Rain Sensor	1. Check the drain hole in the rain collector. 2. Check the balance indicator.
Strange or no measurement of Thermo / Hygro Sensor	1. Check the radiation shield. 2. Check the sensor casing.
Strange or no measurement of Wind Speed and Direction	1. Check wind cups (Anemometer). 2. Check the wind vane.
☂ and  (Signal lost for 15 minutes)	1. Relocate the main unit and sensor closer to each other. 2. Make sure the main unit is placed away from other electronic appliances that may interfere with the wireless communication (TVs, computers, microwaves).
☂ and  (Signal lost for 1 hour)	3. If problem continues, reset both main unit and sensor.

## SPECIFICATIONS

MAIN UNIT	
Dimensions (W x H x D)	120 x 190 x 22 mm
Weight	370g with batteries
Battery	3 x AA size 1.5V batteries (Alkaline recommended)
Support channels	Wireless 5-in-1 sensor (Wind speed, Wind direction, Rain gauge, thermo-hygro)
INDOOR BAROMETER	
Barometer unit	hPa, inHg and mmHg
Measuring range	850 to 1050 hPa
Resolution	1hPa, 0.01inHg, 0.1mmHg
Accuracy	+/- 5 hPa / +/- 0.15inHg / +/- 3.8 mmHg (970~1030 hPa) typical @ 25°C (77°F)
Weather forecast	Sunny/Clear, slightly Cloudy, Cloudy, Rainy, Rainy / Stormy and Snowy
Display modes	Current, Max, Min, Historical data for last 24hrs
Memory modes	Max & Min from last memory reset (with time stamp)
INDOOR TEMPERATURE	
Temp. unit	°C or °F
Displayed range	-40°C to 70°C (-40°F to 158°F) (< -40°C: LO; > 70°C: HI)
Operating range	-10°C to 50°C (14°F to 122°F)
Resolution	0.1°C or 0.1°F
Accuracy	+/- 1°C or 2°F typical @ 25°C (77°F)
Display modes	Current, Min and Max, Historical data for past 24 hours
Memory modes	Max & Min from last memory reset (with time stamp)
Alarm	Hi / Lo Temperature Alert
INDOOR HUMIDITY	
Displayed range	20% to 90% RH (< 20%: LO; > 90%: HI) (Temperature between 0°C to 60°C)
Operating range	20% to 90%RH
Resolution	1%
Accuracy	+/-5% typical @ 25°C (77°F)
Display modes	Current, Min and Max, Historical data for past 24 hours
Memory modes	Max & Min from last memory reset (with time stamp)
Alarm	Hi / Lo Humidity Alert
CLOCK	
Clock display	HH:MM:SS / Weekday
Hour format	12hr AM/PM or 24hr
Calendar	DD/MM/YR or MM/DD/YR
Weekday in 5 languages	EN, FR, DE, ES, IT
Hour offset	-23 to +23 hours

**WIRELESS SENSOR**

Dimensions (W x H x D)	343.5 x 393.5 x 136 mm
Weight	673g with batteries
Battery	3 x AA size 1.5V battery (Lithium battery recommended)
Frequency	917 MHz
Transmission	Every 12 seconds

**OUTDOOR TEMPERATURE**

Temp. unit	°C or °F
Displayed range	-40°C to 80°C (-40°F to 176°F) (< -40°C: LO; > 80°C: HI)
Operating range	-40°C to 60°C (-40°F to 140°F)
Resolution	0.1°C or 0.1°F
Accuracy	+/- 0.5°C or 1°F typical @ 25°C (77°F)
Display modes	Current, Min and Max, Historical data for past 24 hours
Memory modes	Max & Min from last memory reset (with time stamp)
Alarm	Hi / Lo Temperature Alert

**OUTDOOR HUMIDITY**

Displayed range	1% to 99% (< 1%: LO; > 99%: HI)
Operating range	1% to 99%
Resolution	1%
Accuracy	+/- 3% typical @ 25°C (77°F)
Display modes	Current, Min and Max, Historical data for past 24 hours
Memory modes	Max & Min from last memory reset (with time stamp)
Alarm	Hi / Lo Humidity Alert

**RAIN GAUGE**

Unit for rainfall	mm and in
Range for rainfall	0~9999mm (0~393.7inches)
Resolution	0.4 mm (0.0157 in)
Accuracy for rainfall	Greater of +/- 7% or 1 tip
Display modes	Rainfall (Rate / Daily / Weekly / Monthly), Historical data for past 24 hours
Memory modes	Total rainfall from last memory reset
Alarm	Hi Rainfall Alert

**WIND SPEED**

Wind speed unit	mph, m/s, km/h, knots
Wind speed range	0~112mph, 50m/s, 180km/h, 97knots
Wind speed resolution	0.1mph or 0.1knot or 0.1m/s
Speed accuracy	< 5m/s: +/- 0.5m/s; > 5m/s: +/- 6%
Direction resolutions	16
Display modes	Gust/average wind speed & direction, Historical data for past 24 hours
Memory modes	Max gust speed with direction (with time stamp)
Alarm	Hi Wind speed Alert (Average / Gust)

Ames Australasia warrants that this product will be free from defects in workmanship and materials for 2 years. If a defect in material or workmanship becomes evident during that period, Ames Australasia will, at its option, either; repair the product (or pay for the costs of repair of the product); replace the product; or refund to the customer the purchase price paid by the customer for the product. In the event of such a defect, the product should be returned to the place of purchase, together with proof of purchase for repair, replacement or refund. Any handling and transportation (and other expenses incurred in claiming under this guarantee) are not covered by this guarantee and will not be borne by Ames Australasia. The obligation of Ames Australasia under this guarantee is limited to the circumstances set out about and is subject to; the customer being able to evidence the acquisition of the product, the purchase price paid for the product and the relevant defect in materials or workmanship; the product not having been altered, tampered with or otherwise dealt with by any person in a manner other than as intended in respect of the relevant product; and the product not having been used or applied in a manner that is contrary to customary usage or application for the relevant product or contrary to any stated instructions or specification of Ames Australasia. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. The benefits given by this guarantee are in addition to the other rights and remedies which might be available to the customer under any law in relation to goods or services to which this guarantee relates.

For further information contact us on  
Australia Free Call: 1800 335 019 New Zealand: 09 427 6042

**AMES Australasia**  
ABN 89 169 427 061  
Level 1, 660 Doncaster Road, Doncaster,  
Victoria 3108. Australia

[www.nylex.com.au](http://www.nylex.com.au)