Wind Gauge for Netatmo Weather Station

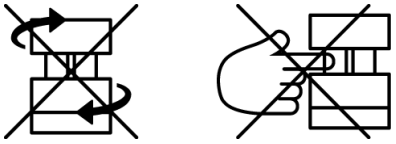
What is the additional Wind Gauge module?

You can add an additional Wind Gauge module to your Netatmo Weather Station. It does not work separately and needs the Netatmo Station to operate.
It allows you to monitor wind speed and direction.
You can add only one Wind Gauge module to your Netatmo Weather Station.

Setup and precaution

Important:

- Do not twist the Wind Gauge.
- Do not touch the sensors.



Setup from smartphone / PC

To add an additional Wind Gauge module to the station, follow the instructions on its quick start guide, or click on "Add/Remove a module" in the settings menu, under "My stations". The app will guide you through the installation.

1. You need to launch the module Manager from the smartphone/tablet app or your PC.
    - If you are using a PC, connect the station to the PC with the USB cable.
    - If you are using your smartphone, touch the top of the station's main module until it blinks blue, the station is now in Bluetooth mode so it can be configured from your phone.
2. Select the option "New Wind Gauge".
3. Remove the batteries from the Wind Gauge and reinsert them. You need to unscrew the four screws at the bottom base to access the batteries compartment.
4. Once the batteries are reinserted, place the Wind Gauge next to the station (at about 10 cm / 4 inches).
5. The Station will recognize the module. The setup is done. Now you can place the Wind Gauge up to 100m away from the main Station, find below some tips on how to find the best spot.

The Wind Gauge should be placed at the highest point possible in order to get reliable measures and avoid turbulences created by obstacles surrounding it. It is recommended to place it about 1 m / 4 ft. above the top of your roof.

The Wind Gauge should be placed horizontally and the arrow (there's one at on the top and one in the bottom) must be pointing to the North. You can use your smartphone's compass app to check that when you install your Wind Gauge at home.

To secure the Wind Gauge, you may use a ¼ inches standard camera mounting screw.

Wind measurement

Wind speed and direction are measured using four ultrasonic transducers. The Wind Gauge measures the time between the moment a signal is emitted and the moment it is received, along two perpendicular directions. Wind speed along the N-S axis and W-E axis are then merged using trigonometric functions to obtain the real speed and the direction.

Displayed measures

Your dashboard displays:

- Last 5 minutes average wind speed and direction. The arrow indicates the wind direction and its size is proportional to the speed. Light grey dashes around the arrow indicate the dominant wind directions during the last hour.

An arrow pointing down means that the wind is blowing from the North (N = 0°). An arrow pointing to the left means that the wind is blowing from the East (E = 90°).

- Maximum wind gust (speed and direction) over the last 10 minutes.
- Maximum wind gust (speed and direction) during the day (since last midnight).

Graphs let you navigate through historic average wind (speed and direction) and gusts (speed and direction).

Technical specifications

SIZE

Height: 110 mm / 4.33 in.
Diameter: 85 mm / 3.35 in.

MECHANICS & DESIGN

UV resistant high quality plastic. Weatherproof.

SENSORS AND MEASUREMENTS

4 ultrasonic transducers.

Wind speed:

Range: 0 to 50 m/s (180 km/h, 112 mph)
Accuracy: 0.5 m/s (1.8 km/h, 1 mph)

Wind direction:

Accuracy: 5°

UNITS

m/s, km/h, mph, knots, Beaufort.

WIRELESS SPECIFICATIONS

Wireless connection between module and station: Long range 100 m / 330 ft.

POWER AND BATTERIES

Wind Gauge module powered by 4 AA batteries.
Autonomy: 2 years

GOOD TO KNOW

You have the option of connecting up to 1 Wind Gauge Module to a Station.
The Wind Gauge Module is sold individually and works with the Weather Station sold separately.

Details

Netatmo Wind Gauge has an easy-to-read measurements display on the app and warns you the moment it detects strong winds to protect you and your home.
You can easily keep track of average wind speed and direction and wind gusts.
The ultrasonic technology provides high accuracy readings and requires no maintenance.

FCC WARNING

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.

NOTE 1: Any 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.