



WH31 MULTI-CHANNEL THERMOMETER/HYGROMETER



WH31 Wireless Multi-channel Thermometer/Hygrometer Sensor

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1. Introduction

Mode d'emploi en français

Téléchargez ce manuel d'instructions en français sur aercusinstruments.com/manuals/

Manuale Operativo in italiano

Scarica questo manuale di istruzioni in italiano da aercusinstruments.com/manuals/

Thanks for purchasing this WH31 wireless thermometer and hygrometer sensor. This device measures temperature and humidity and operates on one of 8 channels, meaning you can measure eight distinct areas. The data can be viewed on a WeatherMaster HP2550 weather station console or can be streamed by GW1000 Wi-Fi Gateway and can be viewed on the WS View App after configuration.



Please read this manual and retain it for future reference.

2. Get Started

One Multi-channel Temperature/Humidity sensor

One User Manual

3. Overview



Figure 1: Multi-channel Thermo/hygro Sensor

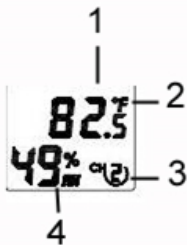


Figure 2: Sensor LCD display

- (1) Temperature
- (2) Units (°C or °F)
- (3) Channel number
- (4) Relative humidity (%)

4. Setup Guide

1. Remove the battery cover on the back of the transmitter by sliding downwards, as shown in Figure **Error! Reference source not found.3** .

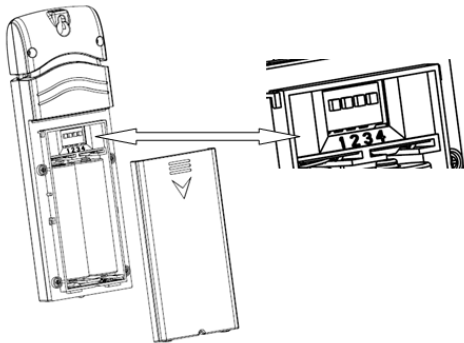


Figure 3: Battery installation

2. Before inserting the batteries, find the dip switches above the battery compartment and set the temperature units and channel number:

Temperature Units: To change the transmitter display units between °C and °F, change dip switch 4, as referenced in Figure 4.

Channel Number: This device supports up to eight channels. To change the channel number, set dip switches 1, 2 and 3, as referenced in Figure 4.



Switch in down position.



Switch in up position.

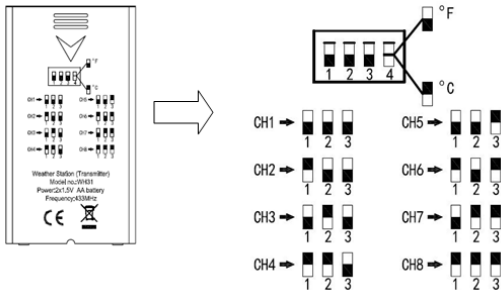


Figure 4: Dip Switch diagram

3. Insert two AA batteries.
4. Verify the correct channel number (CH) and units of measure ($^{\circ}\text{C}$ or $^{\circ}\text{F}$) are displayed.
5. Close the battery door.

5. Sensor Placement

The sensor is ideally mounted in a location that never receives direct sunlight. Also, avoid locations with a nearby radiant heat source (radiator, heaters etc.) Direct sunlight and radiant heat sources will result in inaccurate temperature readings.

The unit is weather resistant. If you are placing it outside, please select a covered, sheltered location in the eaves or under an awning.

To mount or hang the unit on a wall or wood beam either:

- Use a screw or nail to attach the remote sensor to the wall, as shown in Figure 5,

-or-

- Hang the remote sensor using a cord, as shown in Figure 5.

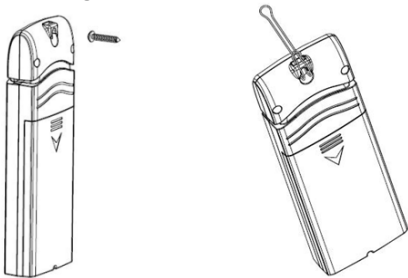


Figure 5: Indoor sensor mounting

Note: Make sure the sensor is mounted vertically and not lying down on a flat surface. This will insure optimum reception. Wireless signals are impacted by distance, interference (other weather stations, wireless phones, wireless routers, TVs and computer monitors), and transmission barriers, such as walls. In



general, wireless signals will not penetrate solid metal and earth (down a hill, for example).

6. Specification

Power: 2 AA batteries (not included)

Sensor Size: 123x42x14mm

Frequency: 915 (AU/NZ), 868 (EU/UK)

Temperature range: -10°C – 60°C (14°F - 140°F)

Temperature resolution: 0.1°C, or 0.1°F

Temperature accuracy: $\pm 1^\circ\text{C}$

Humidity range: 10% ~ 99%

Humidity resolution: 1%

Humidity accuracy: $\pm 5\%$

Sensor reporting interval: 48 seconds

Note: A low battery icon will display on the monitor to indicate the battery status of the sensor.

7. Contact Information

We warrant our products to be free of defects in components and workmanship, under normal use and service, for one year from the date of original purchase. For product support and warranty claims please contact the following:

Purchased in UK/EU: Please contact our local distributor **Greenfrog Scientific** greenfrogsscientific.co.uk and their team will be happy to help.

Purchased in AUSTRALIA: Please contact our local distributor **Monax Test & Weather** monaxtestandweather.com.au and their team will be happy to help.

Purchased in NEW ZEALAND: Please contact our local distributor **Scientific Sales**



scientificsales.co.nz and their team will be happy to help.

For all others, please contact the retailer who sold you this item.

This handbook may contain mistakes and printing errors. The information in this handbook is regularly checked and corrections made in the next issue. We accept no liability for technical mistakes or printing errors - or their consequences.

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EU DECLARATION OF CONFORMITY

Hereby, Aercus Instruments, declares that this Wireless Weather Station (Model: WH31) 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 from contact@aercusinstruments.com.



**COUNTRIES RTTE
APPROVAL COMPLIED**
All EU countries

DECLARATION DE CONFORMITE UE

Par la présente, Aercus Instruments, déclare que cette station météo sans fil (Modèle : WH31) est conforme aux exigences essentielles et autres dispositions pertinentes de la Directive 1999/5/CE. Une copie de la Déclaration de conformité datée et signée est disponible sur simple demande auprès de contact@aercusinstruments.com.



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Tous les pays de l'Union
européenne

DICHIARAZIONE DI CONFORMITÀ UE

Con la presente, Aercus Instruments dichiara che questa Stazione Meteorologica Wireless (modello: WH31) è conforme ai requisiti essenziali e alle altre disposizioni pertinenti della Direttiva 1999/5 / CE. Una copia della Dichiarazione di Conformità, firmata e datata, è disponibile su richiesta all'indirizzo contact@aercusinstruments.com.



PAESI RTTE DI COMPLETATA OMOLOGAZIONE

Tutti i paesi dell'UE

UK DECLARATION OF CONFORMITY

Hereby, Aercus Instruments, declares that this Wireless Weather Station (Model: WH31) is in compliance with the essential requirements and other relevant provisions of the Electromagnetic Compatibility Regulations 2016. A copy of the signed and dated Declaration of Conformity is available on request from contact@aercusinstruments.com.



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