

ADE

Weather Station with Radio Clock and External Sensor – Model WS 1402

Operating Manual

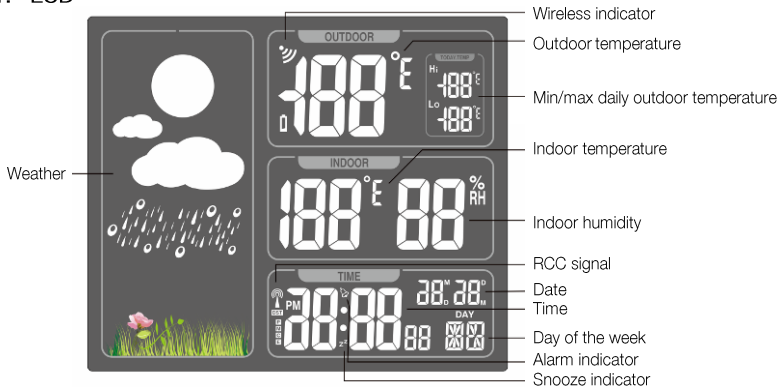


Thank you,

for deciding to purchase this high-quality product from the brand ADE. You have purchased a weather station of the highest technical standard and proven quality.

Please read through this operating manual carefully before starting-up for the first time, and keep it in a safe place so that this information is available to you whenever you need it. The weather station consists of a receiving unit, which works simultaneously as a thermometer, hygrometer, weather forecaster, and radio clock with date, and of an independent transmitting unit for wireless transmission of the externally measured temperature.

1. LCD



2. Technical Data

- Radio clock over DCF frequency
- Continuous calendar until 2099
- Temperature indicator in Celsius (°C) or in Fahrenheit (°F)
- Time indicator in 12- or 24-hour format
- Thermometer: Indoor temperature measuring range 0 °C (32 °F) ~ 50° C (122 °F)
Outdoor temperature measurement range -19.9 °C (-3.8 °F) ~ 59.9 °C (139.8 °F)
Indicator of min./max. Outdoor temperature (Hi/Lo) for last 24h

- Hygrometer: Measuring range 20% - 95% of humidity.
- Wireless outdoor sensor: Transmission frequency: 433.92 MHz
Transmission range: up to 60 m (200 feet)
- Alarm with adjustable snooze function (SNOOZE interval from 1 – 60 minutes)
- LED backlight (in battery operating mode, automatic switch-off after 5 seconds).
- Batteries 4 x 1.5V AAA (included in delivery)
- Mains adaptor: Input 230 V/AC; Output 4.5 V/DC, 200 mA (included in delivery)

3. Start-up

Please bear in mind that the actual range of the transmitter depends on the construction materials of the building, as well as the position of the transmitting unit. External influences (various radio transmitters and other sources of disturbance such as TVs, computers, etc.) can significantly reduce the potential distance. In such cases we recommend choosing a different position for the transmitter as well as the receiver. Sometimes an adjustment of a few centimetres is all that's needed. Protect the outdoor sensor from direct sunlight.

- Open the battery compartment at the back of the outdoor sensor and insert the included AAA batteries.
- Then open the battery compartment at the back of the weather station and insert here, too, the included batteries (2 x 1.5V AAA). Please be mindful of the correct polarity of the batteries (+/-).
- After inserting the batteries, the backlight of the display lights up for approx. 3 seconds and a beep will sound. The room temperature and the humidity will be determined.
- The receiver will now establish a connection with the outdoor sensor. This takes approximately 3 minutes and is indicated by a blinking wireless indicator in the OUTDOOR pane of the weather station display.
- After the connection to the outdoor sensor has been established, the indicator changes to time mode.

Backlight

Pressing the SNOOZE/LIGHT button beneath the display activates the backlight for 5 seconds.

All other settings buttons are located at the back of the weather station!

Time setting:


The weather station has a radio clock, by means of which the time and date are automatically set. This can take up to an hour. You can also set the time manually:

- Press the **MODE** button for approx. 2 seconds.
- The indicator for **year** blinks. By pressing the **▲** or **▼** button, you can set the correct year.
- Press the **MODE** button again to confirm the input.
- The **month** indicator blinks. By pressing the **▲** or **▼** button, you can set the desired month.
- Press the **MODE** button again to confirm the input.
- The **day** indicator blinks. By pressing the **▲** or **▼** button, you can set the current day.
- Press the **MODE** button again to confirm the input.

- The indicator for days of the week can be set to 1 of 7 languages: German (GE), English (EN), Italian (IT), French (FR), Dutch (DU), Spanish (SP), and Danish (DA). Press the ▲ or ▼ button in order to select the desired language. Press the **MODE** button to confirm the input.
- The indicator for **time zone** starts to blink. Press the ▲ or ▼ button in order to set the desired time zone (-12 to +12) and confirm your choice by pressing the **MODE** button.
- The **time indicator** can be set to either **12- or 24-hour format**. By briefly pressing the ▲ or ▼ button, you can toggle between the two formats.
- Press the **MODE** button to confirm the input.
- The indicator for **hour** starts to blink. By pressing the ▲ or ▼ button, you can set the hour.
- Press the **MODE** button again to confirm the input.
- The **minute** indicator blinks. By pressing the ▲ or ▼ button, you can set the precise minute.
- Press the **MODE** button again to confirm the input.

Information: After 20 sec without input, the weather station returns from input mode to display mode.

Setting the daily alarm function

- In time mode, press the **ALARM** button once; the alarm symbol  appears on the display.
- Press the **ALARM** button for approx. 2 seconds, until the alarm symbol is blinking on the display. Using the ▲ or the ▼ button, choose the desired alarm time and confirm it by briefly pressing the **ALARM** button.
- The hour indicator is now blinking. Using the ▲ or ▼ button, select the desired hour setting and confirm your choice by briefly pressing the **ALARM** button.
- The minute indicator is now blinking. Using the ▲ or ▼ button, select the desired minute setting and confirm your choice by pressing the **ALARM** button. The input is now complete.
- To activate or deactivate the input alarm, briefly press the **ALARM** button.
- After 20 sec without input, the weather station returns from input mode to display mode.
- The alarm sounds for 1 minute in case you do not deactivate it by pressing any of the buttons. After 24 hours the alarm will then sound again automatically.
- In the minute during which the alarm is sounding, the volume of the alarm tone increases 4-fold.

Automatic SNOOZE function

- After inputting the minutes in the alarm function, 01 and the symbol Zz appear on the display. By pressing the ▲ or ▼ button, you can then set the **SNOOZE interval** from 1 to 60 minutes.
- To activate the SNOOZE function, touch the **SNOOZE/LIGHT** button below the display. As soon as the snooze function has been activated, the symbol "Zz" appears on the display.
- The alarm will be suspended for the set SNOOZE interval; once this period elapses, the alarm begins again.

Temperature indicator

The temperature can be indicated in either Celsius (°C) or in Fahrenheit (°F). By pressing the ▼ button, you can switch between the two units.

Radio transmission to outdoor sensor

With every weather station you receive an outdoor sensor. Insert the included AAA batteries. Please pay attention to the correct polarity (+/-).

Press the ▼ button on your weather station for approx. 2 sec in order to establish a connection with the outdoor sensor.

Receiving the radio signal

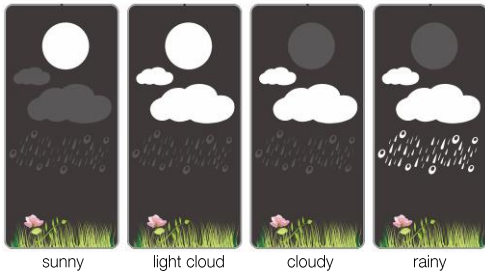
- After every restart or change of battery, the weather station receives the DCF signal automatically for a maximum of 7 minutes, and the RCC signal (receiving tower) on the display blinks.
- At 1:00, 2:00, and 3:00 o'clock (autom. reception of RCC signals), the clock automatically synchronises the precise time. Should the synchronisation fail, the receiving tower disappears from the display and the system automatically prompts a new synchronisation at the start of the next full hour. This process repeats itself automatically up to 5 times per day.
- Pressing the **WAVE** button activates RCC reception for 7 minutes. If no signal is received, the receiving tower on the display disappears and the system automatically initiates a new synchronisation at the start of the next full hour.

Information:

- Blinking receiving tower = searching for DCF signal.
- Constantly displayed receiving tower = DCF signal has been received.
- No receiving tower = DCF signal has not been received.

Weather forecast

The weather station uses air pressure data for the weather forecast, which is depicted using 4 indicators on the display:



4. Warranty

Waagen Schmitt guarantees the free correction of defects resulting from material or manufacturing faults through repair or exchange 3 years from the purchase date. In the event of a warranty claim, please return the device with proof of purchase to your dealer, specifying the reason for the claim.

Legal duty to inform about battery disposal:

Batteries do not belong in household waste. As a consumer you are legally obligated to return batteries. You can hand over your old batteries at the public collection points in your community or anywhere where batteries are sold.

Please note:



These symbols can be found on batteries:

- Li = Battery contains lithium
- Al = Battery contains alkali
- Mn = Battery contains manganese
- CR (Li); AA (Al, Mn); AAA (Al, Mn)

Disposal of used electrical and electronic devices



This symbol on the product or its packaging indicates that the product is not to be treated like normal household waste, but must be handed over at a collection point for the recycling of electrical and electronic devices. Further information can be obtained in your community, at communal disposal services or the business where you bought the product.



This weather station has been manufactured in accordance with the harmonised European standards. It complies with the provisions of the following EC directives:

- EMC Directive 2004/108/EC regarding electromagnetic compatibility
- RoHS Directive 2011/65/EC

in the currently valid versions.

The declaration loses its validity if modifications have been made to the device without our approval.

Hamburg, April 2015

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