Meteotime Weather Station Wireless Thermo-Hygrometer





WM5200

KSPO:0181-12(LAC) NIL for LAC DV218 & TS53 MANUAL 2(ENG) SIZE: W105 X H148 (mm) BY Lai HZ 23/04/12

This Meteotime Weather Station has equipped the thermo-hygrometer sensor to measure the measure the outdoor temperature and humidity.

- · Precipitation Probability for Today
- Single channel outdoor 433Mhz wireless Thermo-hygrometer
- temperature for the 4th day will not be displayed.
- Time-zone settin

MUST READ BEFORE GETTING STARTED

Your Meteotime Weather Station is different to traditional weather stations which measure the prevailing conditions only, the data of this weather station is based on the METEOTIME which is worked out on a daily basis by highly professional meteorologists using state-of-art

The Meteotime Weather Station is engineered in such a way that it is able to receive the coded METEOTIME signal containing the weather information. The information is broadcasted via the stations for radio-controlled clocks DCF77 (located in Germany). For this reason, your Meteotime Weather Station is also a radio-controlled clock with all the known advantages, such as always showing the exact time, and automatic change to daylight saving time in winter and

You are able to receive weather forecasts for 60 meteorological regions within Europe for up to 4 days in advance, and offer a 2-day-advance forecasts for an additional 30 regions.

Watch the symbol GOOD RECEPTION or BAD RECEPTION on the display. Once you have found the right location for GOOD RECEPTION, you may leave the Meteotime Weather Station there, it will collect its data by radio controlled signal. Within a few inutes time and the date will appear. However, the transfer of the very large amount of data (forecast for all regions and days) will take much longer. To completely receive all data will take up to 24 hours from the time of the initial setup.

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DISPLAY OF FAVOURITES

If you have selected more than one city as favourite, as an example Frankfurt am Main, Paris and Stockholm, then you are able to scroll through these cities by pressing [▲] or [▼] when the Information Window shows the CITY NAME (Press SET until it displays the City Name). FRANKFURTM $\leftarrow (A/V) \rightarrow PARIS \leftarrow (A/V) \rightarrow STOCKHOLM$

REMOVE A CITY FROM THE LIST OF FAVOURITES

 \bullet Press and Hold [SET] for 3 seconds, COUNTRY is shown in the Information Window, then press [\(\bigcup \)] or [\(\bigcup \)] to select the co Press [SET] key to confirm the Country

• Then, press [▲] or [▼] to go to your selected city with the √ • Press [TEST $\sqrt{\ }$] to remove the $\sqrt{\ }$. Now this city is removed from the favourites • Repeat this if you wish to remove more cities from your list Now you may also press [▲] or [▼] to select another favourite city

Once you have made all your changes, press [SET] to quit. $\[\] \] \] \$ will be shown in the information window. After 4 seconds, it will go to the City-Date-Time Mode.

PERSONALIZED A PLACE NAME

• Press and Hold [SET] for 3 second. In the information window, COUNTRY is shown, and then press [\blacktriangle] or [\blacktriangledown] key to select the country. Let's said you have selected the country Germany which is represented in 1/6ER.

Press [SET] key to confirm the Country (let's said we select Germany right now), and then the information window will show [↑ T Y.
Then, press [▲] or [▼] key to select the city, and the city name will be shown in the information window such as FRANKFURTM means the city 'Frankfurt am Main', and you would like to enter a new city which is near the region of Frankfurt am Main. • Press the 'MEM' key; a *cursor flashes* on the first position of the Information Window

Then following input commands then apply: Function

Selection of a letter <1> Accept the selected letter and jumps to the next position. OR <2> If you have not entered any letter (in other words, if only the cursor is flashing at the last position), confirm the entry with this key and your place will also be included in the memory with immediate

One position back in the data entry process ** The place that you have selected to enter your own description will still exist under its

• Press [SET] key to confirm and exit SET THE TIME ZONE, LANGUAGE and CONTRAST

• Press and Hold [SET] for 3 second, COUNTRY is shown in the Information Window.

• Press [SET] again, then ZONE † 10HR is shown in the Information Window, press [▲] or [▼] key to adjust the time zone. • Press [SET] again, then the language will be shown in the Information Window, press [\blacktriangle] or [\blacktriangledown] key to select your desired language. There are total seven language for selection, namely German, English, Spanish, French, Italiano, Dutch, Swedish.

• Press [SET] again, then □NTRAST, 3 is shown in the Information Window, press [▲] or [▼] key to adjust the LCD contrast Level. • Press [SET] again and [X | T will be shown at the information window. After 4 seconds, it will change to the City-Date-Time Mode.

REMARK: If you do not have any selection into the Setup mode up to 60 seconds, it will automatically exit the setup mode. The Information Window will show City / Sunrise &

Sunset Time / Time & Date.

This package comes with a main unit which is Meteotime Weather Station, and a remote

indoor temperature and humidity, and also has a wireless outdoor thermo-hygrometer sensor to

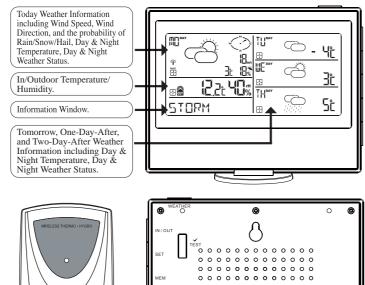
- Weather Status for today and coming days for 60+30 regions • Wind Speed and Wind Direction for Today
- Indoor Thermo-hygrometer
- Sunrise and sunset display
- Regional Day-time temperature and Night-time Temperature information. The night
- · Radio-controlled Clock and Calendar
- Powered by 4 x AAA batteries for main unit, and 2 AA batteries for the outdoor sensor

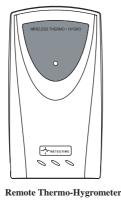
INTRODUCTION

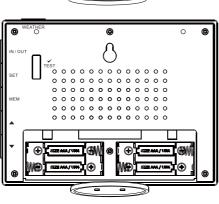
The Meteotime Weather Station LCD display shows: • Today Weather Information Window

• In/Outdoor Temperature & Humidity . Tomorrow, One-day-after, and Two-day-after Weather Information . Information Window which shows Time & Date, Sunrise & Sunset, Cities, and Critical

Weather Information Description.

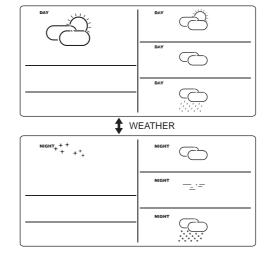






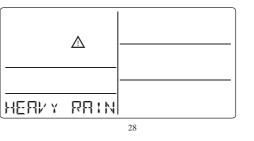
SWITCH DAY WEATHER INFORMATION <- -> NIGHT WEATHER INFORMATION

The device is able to base on the SUNRISE time and SUNSET time to automatically switch to DAY-WEATHER and NIGHT-WEATHER respectively. The unit is preset to show DAY-WEATHER after sunrise time, and NIGHT-WEATHER after SUNSET time. The user can press the WEATHER button to see the DAY-Weather (for 10-second period) if currently show the NIGHT-WEATHER, or vice verse.

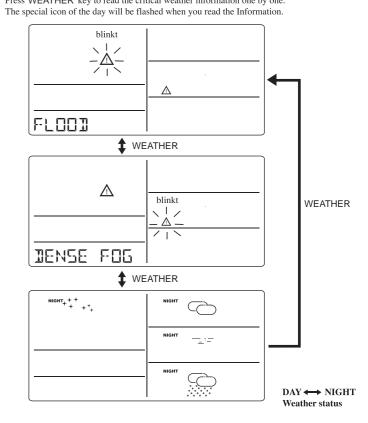


CRITICAL WEATHER INFORMATION

Meteotime Weather signal contains the Critical Weather Information such as Gust, Frozen Rain, Heavy Snow, Thunder, Strong UV, Dense Fog, Bise, Mistral, etc. for today and coming three days. A critical weather alert signal \triangle will be turned on in case that day



Sometimes there are more than one critical weather information in the 4-days. Press WEATHER key to read the critical weather information one by one.



 \bullet Press [SET] key to go back to the display of CITY $\begin{cal}\longleftarrow\end{cal}$ SUNRISE & SUNSET TIME \iff TIME & DATE. If you would like to read the Weather Information in the information window, then press WEATHER Key to display DAY ←→ NIGHT Weather information and also the Critical Weather Information

If no key is pressed, the critical weather information will be toggle to display, so as to make sure you are aware of the critical weather details.

There are total 7 buttons on the Main Unit, namely:

• Selected City ← Time + Date ← Sunrise + Sunset • Each press of [SET] will display the selected City, Time + Date or Sunrise + Sunset

• Press and HOLD [SET] for 3 second to select your <1> Country, <2> Time Zone, <3> Language, <4> Contrast of the LCD display

• Critical Weather Information ← Time + Date ← Day/Night Weather Status Change

• increasing the value during setting • Chose one of the pre-selected cities

• decreasing the value during setting • Chose one of the pre-selected cities

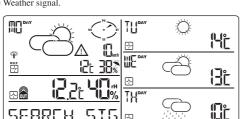
• display the maximum and minimum measured Temperature in record • Press and Hold for 3 second to clear all the Max. and Min. record

• Find the place for the device which has a good reception

· Add the city into the list of your desired cities Remove the city out of the list of desired Cities

• Switch to read Indoor Thermo-hygrometer ← → Outdoor Thermo-hygrometer \bullet Press and Hold for 3 second to force the main unit to search for the outdoor sensor

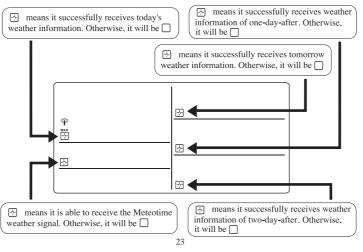
• Insert 2 pcs AA batteries for remote sensor, and then insert 4 pcs AAA batteries for the • The main unit will automatically scan for the radio-controlled clock signal and the Meteotime Weather signal.



• The time and date will appear in a few minutes. Since there is a large amount of Weather information for all regions and days, the unit needs about 24 hours from the time of the

initial setup to complete the reception of all data. After the time and the date signal is being received successfully, the display shows "SELECT COUNTRY" and then "FRANKFURT" as default city in the information window.

To change the Country and the City please see the information below. \bullet If the unit is able to receive the Meteotime signal successfully, the Meteotime icon \boxdot is appeared in the second row of display. Otherwise, the Meteotime will be [] .



INDOOR / OUTDOOR TEMPERATURE AND HUMITIDY READING

• Press [IN/OUT] keys to switch the reading of indoor or outdoor temperature and humidity a (2.7° 140% ← [IN/OUT] & • Press [MEM] key to read the record of the maximum and min • Press and Hold [MEM] key to CLEAR the record of the maximum and minimum

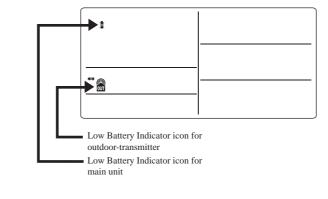
LINKING THE OUTDOOR THERMO-HYGROMETER SENSOR WITH MAIN UNIT IF SIGNAL LOSS.

If the Main unit cannot receive the outdoor sensor signal, the outdoor signal icon will change

• Press and Hold [IN/OUT] button for 3 second, and then the wave icon will be flashed. If the signal has been received again, the outdoor signal icon will be

LOW BATTERY INDICATION When it is time to replace batteries, the respective Low Battery Indicator (see graphics) will

appear next to the weather forecast for the display unit or next to the outdoor temperature

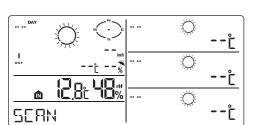


Significance Night Significance Night Sunny (Clear at night) Light Cloudy Heat Storm Cloudy Overcast Clouds

In the event the Meteotime icon change to \square , that means there are potential sources of interference on the unit. The sources of interference may come from the electronics equipment such as TV-set, computers, household machines etc. It may also be due to lots of concrete, metal parts and electrical equipment in the building. It may also be due to your living area if it is very far away from the Radio-controlled clock tower.

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You are able to use the TEST function to look for a better location Press TEST button, SCAN is shown in the Information Window



• Pick the unit to find a good location. • 🗗 flashing: The test is running and the Meteotime signal reception is good. You are able to leave the device in this position. flashing: The test is running and the Meteotime signal reception is poor. You need to keep on looking for a better location.

at any time, and also discontinue the test by press the TEST key.

OR Time & Date for Frankfurt am Main.

• The test lasted for around 1 minute. You can restart the test with the [TEST] key

SWITCH CITY <--> SUNRISE & SUNSET TIME <--> TIME & DATE • After inserting the batteries, the weather station searches for the Radio controlled Time signal as well as the MeteoTime signal. After it has successfully received the MeteoTime signal, the display shows in the information window "Select Country". After a few more minutes, the information windows the default city "FRANKFURTM". • You are able to press [SET] to switch from the display of the City to Sunrise & Sunset time

FRANKFURTM $\stackrel{\text{[SET]}}{\longrightarrow}$ $\stackrel{\text{[SI]}}{\longrightarrow}$ (423 $\stackrel{\text{[SET]}}{\longrightarrow}$)

SELECT THE COUNTRY AND THE CITIES

Please note: The key [SET] must no be pressed to strong, i.e. press it only to the first "click". If yoit is pressed too firmly, you may feel a 2nd "click". In such a case, the setting function will

• Press and Hold [SET] for 3 seconds, in the information window COUNTRY is shown, and then press [▲] or [▼] to select the country. For example: If you see in the information window]/ GER, that means you have selected "Germany".

 Press [SET] to confirm the Country. Assuming you have selected Germany, then the information window will show [] T Y . • Then, press [▲] or [▼] to select the city, and the city name will be shown in the information window. Example: FRANKFURTM means the city of 'Frankfurt am Main'

Press now [SET] to accept the setting. From now on, the selected city will now be shown in the

ACTIVATE FAVOURITES

Once you have set your city as described above, you may select more cities for easy access. Instead of terminating the setting with the key [SET], you continue as follows: \bullet If 'Frankfurt am Main' is your selection as one of your favourite cities, then press [TEST $\sqrt{\ }]$ to confirm. A $\sqrt{}$ will be shown on top of your selected city, and it will be stored into your

ullet Now you may press [lacktriangle] or [lacktriangle] to select more cities in the same country, and then press [TEST √] to confirm. • If you wish to select cities from different countries, you have to exit the setting with [SET]

and re-enter it again as described above in order to change the country You may select maximum FIVE cities as favourites. If you want to add more cities, then MEMFULL will show in the Information Window.

When all settings are done, press [SET] to confrim and exit the setting mode.

REMARK: If, after inserting the batteries the first time, you are skipping the city selection, the product will select by default "Frankfurt am Main" as your selected city.

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SPECIFICATION ON IN/OUTDOOR TEMPERATURE AND HUMIDITY

Temperature Display Range Temperature Operating Range (Main Unit)
Temperature Operating Range (Sensor Unit) Temperature Accuracy Humidity Display Range Humidity Resolution

-40 degree C to 70 degree C : 0.1 degree C -5 degree C to +50 degree C -20 degree C to +60 degree C : r.H. 1% to 99% : 1% : +/- 5% (within 25% - 80% at 25 C) : 433 Mhz

Main Unit is powered by AAA batteries x 4 pcs. Outdoor Thermo-hygrometer is powered by AA batteries x 2 pcs.

LIABILITY DISCLAIMER

Humidity Accuracy

• The electrical and electronic wastes contain hazardous substances. Disposal of electronic waste in wild country and/or in unauthorized grounds strongly damages the environment • Please contact your local or/and regional authorities to retrieve the addresses of legal dumping grounds with selective collection.

· All electronic instruments must from now on be recycled. User shall take an active part in the very of the electrical and elect \bullet The unrestricted disposal of electronic waste may do harm on public health and the quality of

• As stated on the gift box and labeled on the product, reading the "User manual" is highly mmended for the benefit of the user. This product must however not be thrown in general rubbish collection points. • The manufacturer and supplier cannot accept any responsibility for any incorrect readings and

• The specifications of this product may change without prior notice. • This product is not a toy. Keep out of the reach of children. • No part of this manual may be reproduced without written authorization of the manufacturer.

any consequences that occur should an inaccurate reading take place. . This product is designed for use in the home only as indication of the temperature.

• This product is not to be used for medical purposes or for public information.

EC-DECLARATION OF CONFORMITY

Product: WM5200

This product contains the approved transmitter and complies with the essential requirements of Article 3 of the R&TTE 1999/5/EC Directives, if used for its intended use and that the following

Efficient use of radio frequency spectrum (Article 3.2 of the R&TTE Directive) EN 300 220-2,V2.1.1:2006 EN 300 330-2,V1.3.1:2006 Electromagnetic compatibility (Article 3.1.b of the R&TTE Directive) EN 301 489-03,V1.4.1:2002 EN 301 489-1,V1.6.1:2005

Electromagnetic compatibility (Article 3.1.a of the R&TTE Directive)

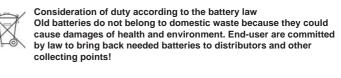
Low voltage directive

EN 60950-1:2006

The product is therefore conform with the Low Voltage Directive 73/23/EC, the EMC Directive 89/336/EC and R&TTE Directive 1999/5/EC (appendix II) and carries the respective CE

RTTE Compliant Countries:

All EU countries, Switzerland CH Aud Norway (N)



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