

COMFORT CONTROL – Thermo-Hygrometer

Thank you for choosing this instrument from TFA.

Before you use it

- Please make sure to read the instruction manual carefully. This information will help you to familiarise yourself with your new device, to learn all of its functions and parts, to find out important details about its first use, how to operate it and how to get advice in the event of a malfunction.
- Following and respecting the instructions in your manual will prevent damage to your instrument and loss of your statutory rights arising from defects due to incorrect use.
- We shall not be liable for any damage occurring as a result of not following these instructions. Likewise, we take no responsibility for any incorrect readings and for any consequences which may result from them.
- Please take particular note of the safety advice!
- Please keep this manual for future reference.

Scope of delivery

- Digital thermo-hygrometer
- Stand
- 2 x 1,5 V AA batteries
- Instruction manual

For your safety

- This product is exclusively intended for the field of application described above. It should only be used as described within these instructions.
- Unauthorised repairs, modifications or changes to the product are prohibited.
- This product is not be used for medical purpose or for public information, it is only intended for home use.



Caution! Risk of injury:

- Keep this instrument and the batteries out of the reach of children.
- Batteries must not be thrown into a fire, short-circuited, taken apart or recharged. Risk of explosion!
- Batteries contain harmful acids. Low batteries should be changed as soon as possible to prevent damage caused by leaking. Never use a combination of old and new batteries together, nor batteries of different types. Wear chemical-resistant protective gloves and glasses when handling leaking batteries.



Important information on product safety!

- Do not place your product near extreme temperatures, vibration or shock.
- Protect it from moisture.

Field of operation and all the benefits of your new instrument at a glance

- Room temperature
- Indoor relative air humidity



COMFORT CONTROL – Thermo-Hygrometer



- Maximum and minimum values
- Dew point
- Acoustic and optical alarm function in case of risk of mould

The electronic COMFORT CONTROL Thermo-Hygrometer is an ideal measuring instrument for checking room ambient conditions.

Excessive room-air humidity can damage your health and promotes the formation of damp patches and mould.

But excessively dry room air can also affect our well-being and health in various respects. Skin, mucous membranes and airways are adversely affected and pets, house-plants, wooden flooring and antique furniture may also suffer.

Active heating and ventilation can help achieve a comfortable and healthy living environment and may even save you heating costs.

The interaction of temperature and air humidity:

If the room air is too humid, ventilation would at first appear nonsensical in the winter, when the outside air is also cold, damp and just as humid.

Cold air however, can absorb little or no moisture. When this air enters the living areas it becomes warmer. And then the air can absorb much more water vapour. After just a few minutes of giving a room an airing, you can see on the digital display how the relative humidity goes down.

Dew-point:

This interdependency of temperature and relative humidity is expressed by means of the dew-point:

If the air is cooled continuously at constant absolute humidity, then the relative humidity will steadily increase up to a maximum of 100%. If the air is cooled further, then the excess water vapour is separated out in the form of water droplets.

If the measuring unit indicates an air temperature of 20° C and a relative humidity of 65%, then the dew-point temperature will be 13.2° C. What does that mean? That the air, for instance in your bedroom, will condense and form water droplets at all points on walls and ceilings that are cooler than 13.2° C, and that this may later lead to patches of mould or damp.

If the air is at a relative humidity of say 40%, then the dew-point temperature is only 6 °C. The walls and ceilings would therefore have to be significantly colder for the air to reach its dew-point and for water droplets to form.

How to achieve the correct temperature and air humidity:

Tips for active heating and ventilation:

- Check the dew-point! Surfaces of walls should not fall below a temperature of 15° C!

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- Do not turn the heating completely off when going out.
- Ventilate in all weather conditions, even if it's raining.
- Open the windows for a short time (room airing). A partially open window, for instance in the tilted position, does not have the desired effect, wastes heating energy and can even promote the formation of mould.
- If the room air is too dry, particularly in wintertime, then electrical air humidifiers are recommended, since airing at low outside temperatures will tend to decrease the humidity further.

Duration of airing:

- A few minutes are mostly sufficient. Check the value indicated on your COMFORT CONTROL!

Operation:**Startup:**

- Lightly push the silver battery lid on the front down and open the battery compartment. Remove the battery safety strip. Close the battery compartment again.
- Remove the protective foil from the display. The unit is now ready to use.

Display:

- The left display shows the indoor relative humidity, the middle row the room temperature and the right row the dew point. The temperature unit can be changed from °C to °F by the °C/°F-button at the backside.

Humidity alarm:

- Select the humidity alarm value 65, 60 or 55 % by the sliding switch at the backside.
- If air humidity exceeds the selected value and there is a risk of mould formation, the up-arrow and the red lamp will flash and an alarm signal will sound for 1 minute. The alarm can be turned off by pressing any button.
- When air humidity falls below the selected value the up-arrow and the red lamp will stop flashing. The up-arrow remains on the LCD showing that humidity exceeded the preset value at least once in the past. Press any button and the up-arrow will disappear. The acoustic signal can be muted by operating the sliding switch on the rear-side.

MIN / MAX temperatures:

- Press the MIN / MAX button and the highest temperature and humidity is displayed since the last reset.
- Press the MIN / MAX button again, the display shows the lowest temperature and humidity since the last reset.
- To go back to the present values, press the MIN / MAX button once more.
- Press the RESET button, while the maximum and minimum values are displayed to clear the recorded maximum and minimum readings and the actual values appear.

COMFORT CONTROL – Thermo-Hygrometer**Placing or hanging up the unit:**

- A circular opening is provided on the backside of the unit for hanging on the wall. To place the unit in the standing position use the stand supplied with the unit. Since the humidity level within rooms can vary greatly according to the location, mount the unit so that it will monitor the conditions in a location likely to be subject to the most problems.

Care and maintenance

- Clean your instrument with a soft damp cloth. Do not use solvents or scouring agents
- Remove the batteries if you do not use it for a long period of time
- Keep the instrument in a dry place.

Battery replacement

- Remove the stand if necessary. Lightly push the silver battery lid on the front down and open the battery compartment. Replace the batteries (2 x 1.5 V AA). Do not use rechargeable batteries. Close the battery compartment again.

Troubleshooting

Problems	Solution
No indication	→ Observe correct polarity when inserting the batteries → Change batteries
Incorrect display	→ Change batteries → Press RESET button

If your device fails to work despite these measures contact the supplier from whom you purchased it.

Waste disposal

This product has been manufactured using high-grade materials and components which can be recycled and reused.



Never dispose of empty batteries and rechargeable batteries in household waste.

As a consumer, you are legally required to take them to your retail store or to appropriate collection sites depending on national or local regulations in order to protect the environment.

The symbols for the heavy metals contained are:
Cd=cadmium, Hg=mercury, Pb=lead



This instrument is labelled in accordance with the EU Waste Electrical and Electronic Equipment Directive (WEEE).

Please do not dispose of this instrument in household waste. The user is obligated to take end-of-life devices to a designated collection point for the disposal of electrical and electronic equipment, in order to ensure environmentally-compatible disposal.

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Specifications

Measuring range indoor	
Temperature:	-10 °C... +60 °C (+14°...+140 °F)
Accuracy:	± 1°C
Humidity:	
	1 %rH... 99 %rH
Accuracy:	±4% (35%...75%), otherwise ±5%
Power consumption:	2 x 1.5 V AA (batteries included)
Dimensions:	95 x 25 (65) x 95 (106) mm
Weight:	90 g (instrument only)

HUMIDITY PRECISION SENSOR

Our precision sensor gives a rapid and accurate display of the air humidity.

**The correct temperature and air humidity**

15 °C 40 - 60 %	16 - 18 °C 50 - 70 %	18 °C 50 - 70 %	20 °C 40 - 60 %	20 °C 40 - 60 %	23 °C 50 - 70 %

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COMFORT CONTROL – Thermomètre-hygromètre

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Nous vous remercions d'avoir choisi l'appareil de la Société TFA.

Avant d'utiliser l'appareil

- **Lisez attentivement le mode d'emploi.** Pour vous familiariser avec votre nouvel appareil, découvrez les fonctions et tous les composants, notez les détails importants relatifs à la mise en service et lisez quelques conseils en cas de dysfonctionnement.
- **En respectant ce mode d'emploi, vous éviterez d'endommager l'appareil et de perdre vos droits résultant d'un défaut pour cause d'utilisation non-conforme.**
- **Nous n'assumons aucune responsabilité pour des dommages qui auraient été causés par le non-respect du présent mode d'emploi. De même, nous n'assumons aucune responsabilité pour des relevés incorrects et les conséquences qu'ils pourraient engendrer.**
- **Suivez bien toutes les consignes de sécurité!**
- **Conservez soigneusement le mode d'emploi!**

Contenu de la livraison

- Thermomètre-hygromètre digital
- Support
- 2 x 1,5 V AA piles
- Mode d'emploi

Pour votre sécurité

- L'appareil est destiné uniquement à l'utilisation décrite au dessous. Ne l'utilisez jamais à d'autres fins que celles décrites dans le présent mode d'emploi.
- Vous ne devez en aucun cas réparer, démonter ou modifier l'appareil par vous-même.
- Cet appareil ne convient ni pour une utilisation médicale ni pour l'information publique, il est destiné uniquement à un usage privé.

**Attention!
Danger de blessure:**

- Gardez l'appareil et les piles hors de la portée des enfants.
- Ne jetez jamais les piles dans le feu, ne les court-circuitiez pas, ne les démontez pas et ne les rechargez pas. Risques d'explosion!
- Les piles contiennent des acides nocifs pour la santé. Une pile faible doit être remplacée le plus rapidement possible, afin d'éviter une fuite. Ne jamais utiliser d'anciennes piles avec des piles neuves simultanément ou bien encore des piles de types différents. Pour manipuler des piles qui ont coulé, utilisez des gants de protection chimique spécialement adaptés et portez des lunettes de protection !

**Conseils importants de sécurité du produit!**

- Évitez d'exposer l'appareil à des températures extrêmes, à des vibrations ou à des chocs.
- Protégez-le contre l'humidité.