Analogue Thermo/hygro Comfortmeter

Version 02/12

Item no. 67 26 48
Item no. 67 26 47

Use in accordance with manufacturer's instructions

The products are used for measuring the ambient temperature in degrees Celsius (°C) and designed to display the relative humidity (RH%) and are strictly for measurements indoors. The product with the order number 672648 can also be used in a sheltered spot outdoors. The product with order number 672647 is also equipped with a "Comfort" indicator for air-conditioners. The products are designed to be table standing or mounted on a wall.

The products meet the applicable national and European requirements. All names of companies and products are the trademarks of the respective owner. All rights reserved.

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Safety Instructions

The warranty will be void in the event of damage caused by failure to observe these safety instructions! We do not assume any liability for any consequential damage!

We do not assume any liability for material and personal damage caused by improper use or non-compliance with the safety instructions. In such cases the warranty will be null and void.

• For safety reasons, any unauthorised conversion and/or modification to the product is not permitted.

• The products are intended for closed, dry interiors only (order no. 672648 also for sheltered outdoor areas).

• Never use the products non-conform to the specifications (see "Technical data")

• The products are not toys and do not belong in the hands of children.

• Manufacturers and distributors are not responsible for any incorrect values and any consequences of these.

• These products are intended for home use as an indicator of temperature and humidity and do not provide absolute accuracy.

• The products may not be used for medical purposes or for public information.

• Do not leave packing materials unattended. They may become dangerous playthings for children.

• Handle the product with care, it can be damaged by impacts, blows, or accidental drops, even from a low height.

Installation

Select a draft-free location with sufficient distance from heating elements as the setup and / or installation location in closed rooms. If you want to mount the measuring instrument with the order no. 672648 outdoors, then select a place that is not exposed to direct sunlight and precipitation as the installation location (reading falsification of the temperature / humidity measurement). The measuring instruments may not be used in or under water, this will destroy them.

The products are delivered with a fold-away pedestal (on the rear side of the housing), so as to facilitate setup of a table. Wall mounting is also possible and is carried out as follows:

Fix a screw (not supplied) into the desired wall, leaving the head of the screw protruding about 5 mm from the wall. The screw head must be so large that it cannot slip through the hole of the suspension eye. Hang the unit by the rear suspension eye carefully on this screw.

Wall mounting is only possible on straight, vertical walls. Make sure that the product is safely hanging on the screw before letting it go.

Thermometer and Hygrometer

The thermometer measures the temperature in degrees Celsius. The temperature is measured in a draft-free location. The hygrometer measures the percentage of moisture in the air. This value is "relative" because depending on the temperature the air can hold various large amounts of moisture.

The product order number 672 384 also has a third display integrated as an indicator of room comfort. This display provides information on the prevailing air-conditioner "Comfort" as a function of temperature and humidity. Ideally this is between 65 and 75%.

The thermometer and hygrometer displays are pre-set at the factory.

To adjust the temperature and hygrometer you compare the numbers with a correctly functioning reference instrument.

Deviations on the pointer can be corrected by gently turning the adjustment screw on the back.

The default setting of the "Comfort" indicator on the product no. 672647 cannot be adjusted.

Living environment

If the air in the room is too warm and too dry it is bad for your health, especially for your skin and respiratory tract. The right temperature and humidity play a role in plants, wood floors, antique furniture, musical instruments and books.

By controlling the indoor environment you feel more comfortable and save on heating costs. The right temperature and humidity vary with use from room to room. The following guidelines are recommended:

Staircase	15 °C	at 40 - 60% humidity
Bedroom	16 - 18 °C	at 50 - 70 % humidity
Kitchen	18 °C	at 50 - 70 % humidity
Living room	20 °C	at 40 - 60% humidity
Bathroom	23 °C	at 50 - 70 % humidity

Handling

Allow the device to reach room temperature before switching it on. This may take several hours.

The housing may not be opened!

The following unfavourable conditions are to be avoided when installing or transporting the product:

- Excessive humidity or damp

- Extreme cold or heat

- Dust or flammable gases, fumes or solvents

- Strong vibrations

- Strong magnetic fields such as those found in the vicinity of machinery or loudspeakers

Cleaning

Only a soft damp cloth may be used for cleaning the display and housing. Never use solvent-based or abrasive cleaning agents. Do not use the device in or under water!

Disposal

Dispose of an unserviceable product in accordance with the relevant statutory regulations.

Technical data - order number 672648

Temperature measuring range ....-35 to +55 °C

Temperature tolerance.................± 1% (from +10 to +30 °C)

Humidity measurement range .....20 to 100%

Humidity tolerance.......................± 5% (from 40 to 75%)

Dimensions (W x H):....................approx. 129 x 30 mm

Technical data - order number 672647

Temperature measuring range ....-10 to +50 °C

Temperature tolerance.................± 1% (from +10 to +30 °C)

Humidity measurement range .....10 to 90%

Humidity tolerance.......................±5% (40 to 75%)

"Comfort" range ....40 to 100%

Dimensions (W x H):....................approx. 142 x 35 mm