

# Quick reference 30-3312.02 Thermo-Hygro transmitter with swiss precision sensor



## WeatherHub Sensor

This sensor is a component of the „WeatherHub“ system for measuring air temperature and humidity (indoor or outdoor), it can be used with this system only. To use the sensor you need an installed WeatherHub gateway. This transmitter is compatible with the WeatherHub smartphone app (iOS & Android) and with the browser-based WeatherHub Observer platform.

## Delivery contents

Professional Thermo-Hygro transmitter (30.3312.02), manual

## Before you use it:

Please be sure to read this short-instruction manual carefully. Following the instruction manual for use will prevent damage to the device 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 look after this manual for future reference.

## For your safety:

- The product is exclusively intended for the field of application described above. The product should only be used as described within these instructions.
- Unauthorised repairs, modifications or changes to the product are prohibited.



## Caution!

### Risk of injury:

- Keep this instrument and the batteries out of reach of children.
- Batteries must not be thrown into the 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 a leaking battery. Never use a combination of old and new batteries together or batteries of different types.
- Remove the batteries if you do not use the product for a lengthy period.
- Wear chemical-resistant protective gloves and glasses when handling leaked batteries.

## Important information on product safety!

- Do not place your device near extreme temperatures, vibrations or shocks.
- Clean the instrument with a soft damp cloth. Do not use solvents or scouring agents.

## Application

The sensor is ideal for precise monitoring of temperature and humidity in storage or living rooms, greenhouses, in server and other air-conditioned rooms, or in the outdoor area. For outdoor use, choose a shady and dry position for the transmitter. Direct sunshine falsifies the measurement and continuous humidity strains the electronic components needlessly.

## Sensor set up

Open the battery compartment of the sensor and put in 2 new AA 1.5V batteries with the correct polarity. The display shows temperature and humidity alternately.

## Add sensor in the WeatherHub app

Open the app, the dashboard is displayed. Tap „Add“ new sensor and scan the sensor's QR code. A copy of the sensor code is attached. Then set a name for the sensor. Now you can read the measured values on your mobile phone.

## Additional functions in the WeatherHub app

- Graphic view of the readings
- Minimum and maximum function
- Export of data as CSV file

## Compatibility with the WeatherHub Observer platform:

This sensor is compatible with the browser-based WeatherHub Observer platform, accessible via Windows, Apple and Linux-PCs, as well as Android, iOS and Windows Phone. This service is free of charge and does not require any additional usage fee or subscription costs. For more information on registration and setup, please visit [www.wh-observer.com](http://www.wh-observer.com).

## Add sensor on the WeatherHub Observer platform:

Open the website [www.wh-observer.de](http://www.wh-observer.de) using any internet browser and create an account, if you are not already registered. Take the transmitter into operation as described on the platform.

## Battery replacement

When you receive the notification for changing the batteries in the app or on the WeatherHub Observer platform, open the battery compartment of the sensor and change the batteries.

## Specifications

Batteries: 2 x mignon 1.5V AA

Battery lifetime: approx. 2 years (Alkaline)

Measuring range temperature: -20 ... +60°C (-4 ... 140°F)

Accuracy temperature: ± 0.5°C (-20 ... +60°C | -4 ... 140°F)

Measuring range humidity: 1 ... 99% rH

Accuracy humidity: ± 3% (at 20°C / 68°F | 20 ... 90%)

Measuring interval: max. 7 minutes, the transmission will be immediately if the changes of the temperature are more than 0.6°C (0.8°F) or of the humidity are more than 3% compared to the last transmission.

Frequency: 868 Mhz

Max. transmitting power: < 25mW

Transmitting range: 200m (free field)

Dimension: 44 (76) x 24 (56) x 160 (165)mm

Weight: 76g

## Waste disposal

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



Never throw flat 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 according to 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 product with other 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.

More information and detailed instructions can be found in the weatherhub app at "Info" or on [www.wh-observer.de](http://www.wh-observer.de)

No part of this manual may be reproduced without written consent of TFA Dostmann.

The technical data are correct at the time of going to print and may change without prior notice.

## EU Declaration of conformity

Hereby, TFA Dostmann declares that the radio equipment type 30.3312.02 is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address:

[www.tfa-dostmann.de](http://www.tfa-dostmann.de), E-Mail: [info@tfa-dostmann.de](mailto:info@tfa-dostmann.de)

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