TFA 30.3221.02

TFA Dostmann Thermo-Hygrometer Transmitter

Model: 30.3221.02

1. Important Safety Information

Please read this instruction manual carefully before using the device. Keep this manual for future reference.

- This device is intended for measuring temperature and humidity. Do not use it for any other purpose.
- **Battery Safety:**
  - Use only the specified battery type (2 x 1.5V AA).
  - Ensure correct polarity when inserting batteries.
  - Do not mix old and new batteries or different types of batteries.
  - Remove exhausted batteries promptly to prevent leakage.
  - If the device is not used for a long period, remove the batteries.
  - Keep batteries out of reach of children.
- **Placement:** Mount the transmitter in an area protected from direct precipitation and extreme weather conditions. While designed for outdoor climate transmission, direct exposure to rain or snow can damage the unit.
- Do not expose the device to extreme temperatures, vibrations, or shocks.
- Do not disassemble or modify the device.

2. Product Overview

The TFA Dostmann Thermo-Hygrometer Transmitter (Model 30.3221.02) is a digital sensor designed to wirelessly transmit outdoor temperature and humidity data to compatible TFA radio weather stations. It serves as a replacement or additional sensor for models such as 30.3057, 30.3058, 35.1129, 35.1139, 35.1140, 35.1145, and 35.1150.

This transmitter allows for continuous monitoring of environmental conditions, making it ideal for tracking outdoor climate or climate control in remote areas like gardens, sheds, or basements.

Figure 1: Front view of the TFA Dostmann Thermo-Hygrometer Transmitter. This image highlights the compact design and key markings on the device.

3. Setup

3.1. Battery Installation

1. Locate the battery compartment cover on the back of the transmitter.
2. Slide or unclip the cover to open the compartment.
3. Insert two (2) 1.5V AA batteries, ensuring the correct polarity (+ and -) as indicated inside the compartment.
4. Close the battery compartment cover securely.
5. The transmitter will automatically begin transmitting data once batteries are installed.

3.2. Pairing with a Weather Station

The transmitter is designed to automatically connect with compatible TFA radio weather stations. Follow the pairing instructions provided with your specific TFA weather station model. Typically, this involves:

- Ensuring both the transmitter and the weather station have fresh batteries.
- Placing the transmitter and weather station in close proximity during the initial setup.
- Activating the search function on your weather station (refer to your weather station's manual).
- The weather station should detect and display the data from the transmitter within a few minutes.

3.3. Mounting the Transmitter

The transmitter offers flexible mounting options:

- **Hanging:** Use the integrated hanging hole on the back of the unit to mount it on a nail or screw.
- **Standing:** The flat base allows the transmitter to stand freely on a flat surface.

For optimal performance and longevity, choose a mounting location that is:

- Protected from direct sunlight to avoid inaccurate temperature readings.
- Protected from direct precipitation (rain, snow) to prevent water damage.
- Away from large metal objects or electrical appliances that could interfere with wireless transmission.
- Within the maximum transmission range of 80 meters (262 feet) from your weather station. Walls and obstacles will reduce this range.

Figure 2: The transmitter placed on a surface, demonstrating its standing capability.

4. Operating the Transmitter

Once set up and paired, the transmitter operates continuously, sending temperature and humidity data wirelessly to your

compatible TFA weather station. There are no user controls on the transmitter itself beyond battery installation.

- **Wireless Transmission:** The transmitter sends data at regular intervals (specific interval depends on the weather station's reception cycle).
- **Transmission Range:** The maximum range is up to 80 meters (262 feet) in an open field. Obstacles such as walls, floors, and electronic devices can significantly reduce this range.
- **Indicator Light:** A red indicator light may flash briefly during data transmission.

5. Maintenance

5.1. Battery Replacement

When the batteries are low, your weather station may display a low battery indicator for the transmitter. Replace the batteries as described in Section 3.1. It is recommended to replace both batteries simultaneously with new ones of the same type.

5.2. Cleaning

Clean the device with a soft, damp cloth. Do not use abrasive cleaning agents, solvents, or harsh chemicals, as these may damage the plastic housing or internal components. Ensure no moisture enters the device.

5.3. Environmental Protection

To ensure the longevity and accuracy of the transmitter, always keep it protected from direct exposure to rain, snow, and prolonged direct sunlight. Extreme temperatures outside the specified operating range (-40 to +60 °C) should also be avoided.

6. Troubleshooting

Problem	Possible Cause	Solution
No data received by weather station.	Batteries are low or incorrectly inserted. Transmitter is out of range. Interference from other electronic devices. Weather station not in pairing mode or not detecting.	Replace batteries, ensuring correct polarity. Move transmitter closer to the weather station. Relocate transmitter away from potential sources of interference (e.g., TVs, computers, microwaves). Refer to your weather station's manual for pairing instructions and re-initiate the search.
Inaccurate temperature/humidity readings.	Transmitter exposed to direct sunlight or heat sources. Transmitter exposed to direct moisture. Ventilation slots are blocked.	Relocate transmitter to a shaded, well-ventilated area. Ensure transmitter is protected from rain and snow. Check and clear any obstructions from the ventilation slots.
Short transmission range.	Too many obstacles (walls, floors) between transmitter and receiver. Interference.	Try to minimize obstacles or find a more direct line of sight. Check for and eliminate sources of interference.

7. Specifications

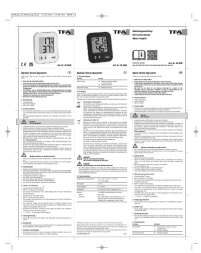
Feature	Detail
Model Number	30.3221.02
Material	Plastic
Power Source	Battery Powered (2 x 1.5V AA, not included)
Temperature Measurement Range	-40 °C to +60 °C (-40 °F to +140 °F)
Maximum Transmission Range	80 meters (262 feet) in open field
Dimensions (L x W x H)	4 x 2.1 x 13 cm (1.57 x 0.83 x 5.12 inches)
Weight	47 grams (1.66 ounces)
Color	White
Compatibility	TFA radio stations: 30.3057, 30.3058, 35.1129, 35.1139, 35.1140, 35.1145, 35.1150

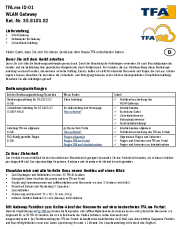
8. Warranty and Support

For warranty information and technical support, please refer to the documentation provided with your original purchase or contact TFA Dostmann directly. As a leading manufacturer of measuring instruments, TFA Dostmann is committed to providing high-quality products and customer service.

Please retain your proof of purchase for any warranty claims.

Related Documents - 30.3221.02

	TFA 30.5033 Digital Thermo-Hygrometer: User Manual and Features This document provides comprehensive instructions for the TFA 30.5033 Digital Thermo-Hygrometer. It covers device features, setup, operation, safety precautions, troubleshooting, and technical specifications, ensuring optimal use for monitoring indoor temperature and humidity.
	TFA Digital Thermo-Hygrometer 30.5033 Instruction Manual User guide for the TFA Digital Thermo-Hygrometer (Model 30.5033), covering setup, operation, features like temperature/humidity monitoring, time, alarm, and safety instructions from TFA Dostmann.
	TFA Digital Thermo-Hygrometer Manual Instruction manual for the TFA Digital Thermo-Hygrometer, covering setup, operation, features, troubleshooting, and disposal. Includes specifications and safety information.

	[TFA Klima BEE Thermo-Hygrometer User Manual and Specifications] Comprehensive user manual and technical specifications for the TFA Klima BEE Thermo-Hygrometer, covering operation, safety, troubleshooting, and product details.
	[TFA Temperature Transmitter 30.3250.02 User Manual] Comprehensive user manual for the TFA 30.3250.02 wireless temperature transmitter. Includes setup, installation, operation, safety guidelines, technical specifications, and disposal information.
	[TFA.me ID-01 WLAN Gateway User Manual] User manual for the TFA.me ID-01 WLAN Gateway, covering setup, operation, safety, and troubleshooting. Learn how to connect the gateway to your Wi-Fi network, display indoor and outdoor temperature/humidity, and access data via the TFA.me online portal.