

Technoline TX45TH-IT

Technoline TX45TH-IT Outdoor Sensor Instruction Manual

Model: TX45TH-IT, TX45

INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, and maintenance of your Technoline TX45TH-IT Outdoor Sensor. This sensor is designed to transmit temperature and humidity data wirelessly to compatible Technoline weather stations. Please read this manual carefully before using the device to ensure proper function and longevity.

PRODUCT OVERVIEW

The Technoline TX45TH-IT is a wireless outdoor sensor capable of measuring and transmitting temperature and humidity data. It operates on an 868 MHz frequency, offering a transmission range of up to 100 meters in open areas. Its compact design allows for versatile placement both indoors and outdoors.



Figure 1: Technoline TX45TH-IT Outdoor Sensor. This image shows the white, rectangular sensor unit with a slightly rounded top and bottom, designed for outdoor use.

Key Features:

- Wireless temperature and humidity transmission.
- 868 MHz transmission frequency.
- Up to 100 meters transmission range (open field).
- Suitable for both indoor and outdoor environments.
- Compact and durable design.

SETUP

1. Battery Installation

1. Locate the battery compartment cover on the back of the sensor.
2. Carefully remove the battery compartment cover.
3. Insert two (2) AAA Micro LR03 batteries, ensuring correct polarity (+/-). *Batteries are not included.*
4. Replace the battery compartment cover securely.

2. Sensor Placement

- For outdoor use, choose a location that is sheltered from direct sunlight and precipitation to ensure accurate readings and prolong sensor life.
- Mount the sensor vertically using appropriate screws or adhesive (not included) at a height of approximately 1.5 to 2 meters above ground level.
- Ensure the sensor is within the 100-meter transmission range of your compatible weather station. Avoid placing it near large metal objects or electrical appliances that may interfere with the signal.

3. Pairing with Weather Station

After battery installation and placement, the sensor will automatically begin transmitting data. Refer to your specific Technoline weather station's instruction manual (e.g., WS 9257 IT, WS 9273 IT) for detailed instructions on how to pair and receive data from the TX45TH-IT sensor. Typically, this involves initiating a sensor search function on the main weather station unit.

OPERATING INSTRUCTIONS

Once successfully paired with your Technoline weather station, the TX45TH-IT sensor will continuously transmit temperature and humidity data. There are no user-adjustable settings directly on the sensor itself. All data display and configuration are managed through your main weather station unit.

- **Data Transmission:** The sensor transmits data periodically (e.g., every 30-60 seconds) to conserve battery life.
- **Monitoring:** View the transmitted temperature and humidity readings on your compatible Technoline weather station display.

MAINTENANCE

- **Cleaning:** Wipe the sensor's exterior with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** Replace batteries when the low battery indicator appears on your weather station, or approximately every 12-18 months, depending on battery quality and environmental conditions. Always replace both batteries simultaneously.
- **Environmental Protection:** While designed for outdoor use, extreme weather conditions (e.g., heavy snow, prolonged

direct sun, strong winds) can affect performance and lifespan. Consider additional shielding if necessary.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No data displayed on weather station.	<ul style="list-style-type: none"> Batteries are low or incorrectly installed. Sensor is out of range or signal interference. Sensor not paired with weather station. 	<ul style="list-style-type: none"> Replace batteries with new ones, ensuring correct polarity. Relocate sensor closer to the weather station or away from interference sources. Initiate sensor search on your weather station (refer to its manual).
Inaccurate readings.	<ul style="list-style-type: none"> Sensor exposed to direct sunlight or heat sources. Sensor placed near moisture sources. 	<ul style="list-style-type: none"> Relocate sensor to a shaded, well-ventilated area. Ensure sensor is not in direct contact with water or excessive humidity.

SPECIFICATIONS

- **Model:** TX45TH-IT (also known as TX 45 TH, TX45)
- **Function:** Temperature and Humidity Sensor/Transmitter
- **Frequency:** 868 MHz
- **Transmission Range:** Up to 100 meters (open field)
- **Power Source:** 2 x AAA Micro LR03 batteries (not included)
- **Dimensions (L x W x H):** 10.8 x 2.1 x 10.8 cm (approximately 36 x 21 x 108 mm)
- **Weight:** 40 grams (without batteries)
- **Color:** White

COMPATIBILITY

The Technoline TX45TH-IT Outdoor Sensor is designed to be compatible with the following Technoline weather station models:

- Technoline WS 9257 IT
- Technoline WS 9273 IT
- Technoline WS 9274 IT

Note: Compatibility with other models is not guaranteed. Always refer to your weather station's manual for sensor compatibility.

WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or replacement parts, please contact your retailer or the official Technoline customer service. Keep your proof of purchase for warranty claims.

Note: Availability of spare parts is not explicitly stated and may vary by region.



