

TFA 30.1052.02

TFA Dostmann Professional Digital Thermometer LT202 30.1052.02 User Manual

Model: LT202 (30.1052.02)

1. INTRODUCTION

This manual provides detailed instructions for the proper use and maintenance of your TFA Dostmann LT202 Professional Digital Thermometer. This device is designed for precise temperature measurement in various environments, including refrigerators, freezers, aquariums, terrariums, pharmacies, laboratories, and supermarkets, where accurate temperature monitoring is crucial.

The thermometer features a waterproof cable sensor, permanent display of maximum and minimum values, and an adjustable optical and acoustic temperature alarm. It complies with EN13485 standards, making it suitable for professional applications.

2. PRODUCT FEATURES

- **Control Thermometer:** Practical digital measuring device for temperature control in refrigerators, freezers, aquariums, terrariums, or other areas requiring precise temperature.
- **Cable Probe:** Features an approximately 2-meter long waterproof cable probe for fast response times (measurement interval every 10 seconds) and flexible placement options (magnet, stand, hanging eyelet).
- **Digital Display:** Permanent display of maximum and minimum values (manual reset) with an adjustable optical and acoustic temperature alarm, configurable to 3 volume levels (loud, normal, mute).
- **High Accuracy:** Operates with high-quality sensors to display temperature with high precision and trigger the alarm within seconds. Accuracy: ± 0.3 °C from -10 °C to +20 °C, ± 0.5 °C from -20 °C to -10 °C and +20 °C to +40 °C, ± 1 °C from -40 °C to -20 °C and +40 °C to +70 °C.
- **Compliance:** The thermometer complies with EN13485 standards.

3. SETUP

1. Battery Installation:

Open the battery compartment cover on the back of the device. Insert 2 x 1.5V AAA batteries, ensuring correct polarity (+/-). Close the battery compartment cover securely.



Image: Back of the thermometer with battery compartment.

2. Probe Connection:

Connect the waterproof cable probe to the designated port on the thermometer. Ensure the connection is firm.



Image: Thermometer with connected probe.



Image: Detailed view of the waterproof probe tip.

3. Placement:

The thermometer can be placed in various ways:

- **Standing:** Use the integrated stand on the back of the device to place it on a flat surface.
- **Hanging:** Utilize the hanging eyelet on the back for wall mounting.
- **Magnetic Attachment:** The device has a magnet for attaching to metallic surfaces.

Position the waterproof probe in the area where temperature measurement is required (e.g., inside a refrigerator, aquarium, or terrarium).



Image: Thermometer in a professional refrigerator setting.



Image: Thermometer used with an aquarium.



Image: Thermometer used with a terrarium.

4. OPERATING INSTRUCTIONS

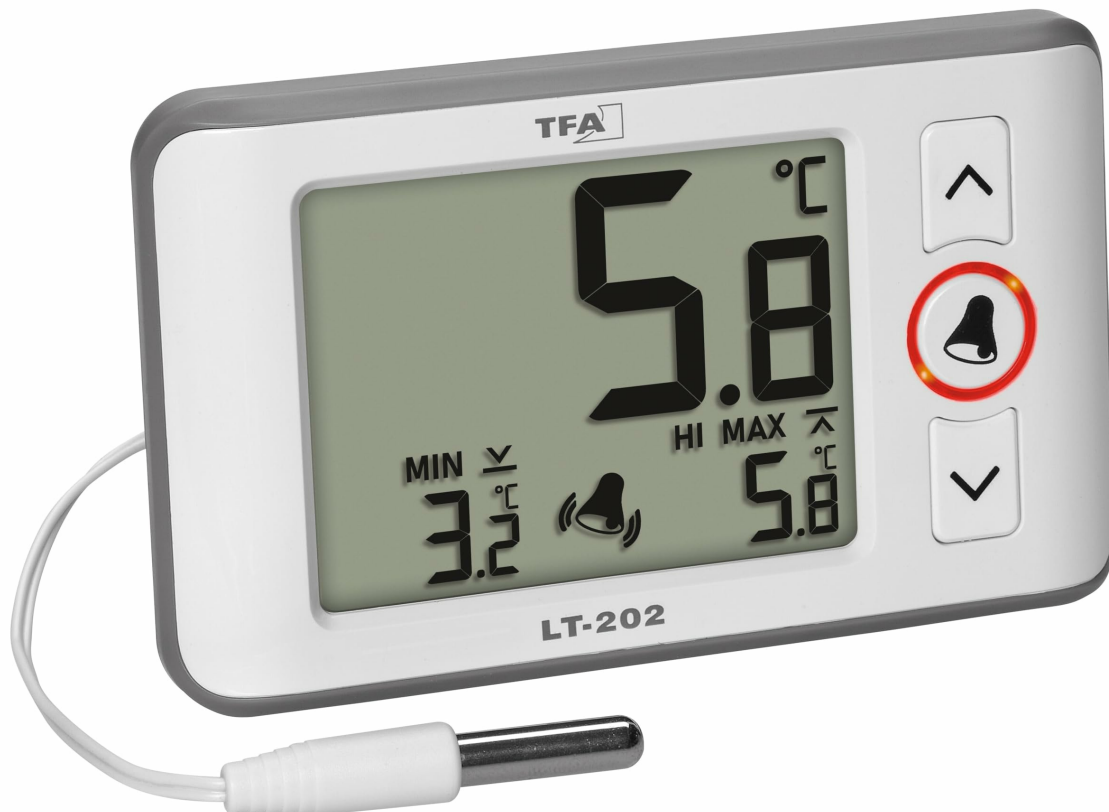


Image: Front view of the thermometer display and controls.

1. **Power On/Off:** The device powers on automatically upon battery insertion. There is no dedicated power button.
2. **Current Temperature Display:** The large digits on the display show the current temperature measured by the probe.
3. **Maximum and Minimum Values (MAX/MIN):**

The display permanently shows the highest (MAX) and lowest (MIN) temperatures recorded since the last reset.

To reset the MAX/MIN values, press and hold the **BELL** button for approximately 3 seconds until the values clear and new recording begins.
4. **Temperature Alarm (HI/LO):**

The device features an adjustable temperature alarm for both high (HI) and low (LO) temperature thresholds.

 - **Setting Alarm Thresholds:**
 - a. Press the **BELL** button once to enter alarm setting mode. The HI alarm value will flash.
 - b. Use the **UP (^)** and **DOWN (v)** buttons to adjust the HI temperature threshold.
 - c. Press the **BELL** button again to confirm the HI setting and move to the LO alarm value,

which will flash.

- d. Use the **UP (^)** and **DOWN (v)** buttons to adjust the LO temperature threshold.
- e. Press the **BELL** button a third time to confirm the LO setting and exit alarm setting mode.

- **Activating/Deactivating Alarm:**

While in normal display mode, press the **BELL** button briefly to toggle the alarm function on or off. A bell icon will appear on the display when the alarm is active.

- **Alarm Volume:**

The alarm has 3 volume levels: loud, normal, and mute. To adjust, press and hold the **UP (^)** button while the alarm is sounding or when setting the alarm thresholds. Cycle through the volume options until desired level is reached.

5. Temperature Unit Selection (°C/°F):

On the back of the device, locate the °C/°F switch. Slide the switch to select your preferred temperature unit.

5. MAINTENANCE

- **Cleaning:**

Wipe the device with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure no water enters the main unit.

The probe is waterproof and can be cleaned with mild soap and water.

- **Battery Replacement:**

When the display becomes dim or the device stops functioning, replace the batteries. Open the battery compartment on the back and replace the 2 x 1.5V AAA batteries with new ones, observing polarity.

Dispose of used batteries according to local regulations.

- **Storage:**

If storing the device for an extended period, remove the batteries to prevent leakage.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No display or dim display	Dead or low batteries; incorrect battery polarity.	Replace batteries with new 1.5V AAA batteries, ensuring correct polarity.
Inaccurate temperature readings	Probe not properly connected; probe damaged; device exposed to extreme conditions.	Ensure probe is firmly connected. Inspect probe for damage. Avoid placing the main unit in extreme temperatures.
Alarm not sounding	Alarm deactivated; alarm volume set to mute; alarm thresholds not met.	Activate the alarm (bell icon visible). Adjust alarm volume. Verify alarm thresholds are set correctly relative to current temperature.
MAX/MIN values not resetting	BELL button not held long enough.	Press and hold the BELL button for approximately 3 seconds until values clear.

7. SPECIFICATIONS

Feature	Detail
Model Number	30.1052.02
Temperature Measuring Range	-40 °C to +70 °C (-40 °F to +158 °F)
Accuracy	±0.3 °C (-10 °C to +20 °C) ±0.5 °C (-20 °C to -10 °C and +20 °C to +40 °C) ±1 °C (-40 °C to -20 °C and +40 °C to +70 °C)
Cable Probe Length	200 cm (2 meters)
Response Time	10 seconds
Power Source	2 x 1.5V AAA batteries (not included)
Material	Plastic
Dimensions (L x W x H)	100 x 21 (30) x 61 mm (approx. 10 x 2.1/3 x 6.1 cm)
Weight	78 g
Compliance	EN13485
Display Type	Digital
Mounting Options	Hanging, Standing, Magnetic
Care Instructions	Wipe clean

8. WARRANTY

This TFA Dostmann product comes with a 1-year availability of spare parts. For specific warranty terms and conditions, please refer to the documentation included with your purchase or contact TFA Dostmann customer support.

9. SUPPORT

For further assistance, technical support, or inquiries regarding your TFA Dostmann Professional Digital Thermometer LT202 30.1052.02, please visit the official TFA Dostmann website or contact their customer service department.

Manufacturer: TFA-Dostmann

Website: www.tfa-dostmann.de

Please have your model number (30.1052.02) ready when contacting support.