TFA 30.1048

TFA®

TFA Dostmann 30.1048 Digital Probe Thermometer User Manual

Model: 30.1048

1. PRODUCT OVERVIEW

The TFA Dostmann 30.1048 is a digital probe thermometer designed for accurate temperature measurement of liquids, powdered, and plastic substances. It features a long probe and a clear digital display, making it suitable for various applications, including food preparation and industrial use. This thermometer is splash-proof (IP55 rated) and includes an automatic shut-off function to conserve battery life.
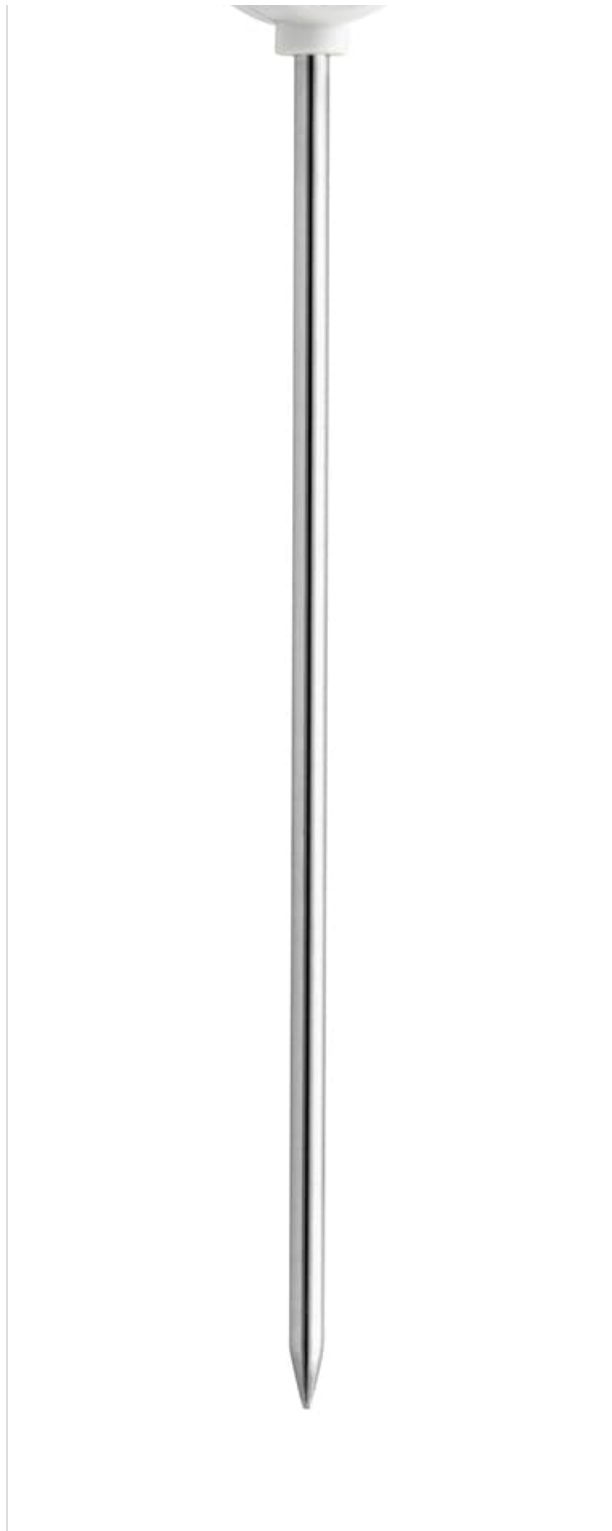
Figure 1: TFA Dostmann 30.1048 Digital Probe Thermometer. This image shows the full view of the thermometer with its long stainless steel probe and digital display.

2. SETUP

2.1. Battery Installation

The thermometer requires one LR44 battery (included). To install or replace the battery:

1. Locate the battery compartment cover on the back of the thermometer's head.
2. Use a small coin or screwdriver to gently twist and open the cover.
3. Insert the LR44 battery with the positive (+) side facing up.
4. Replace the battery compartment cover and twist to secure it.

2.2. Initial Use

Before first use, remove any protective film from the display and the probe. Clean the probe according to the maintenance instructions.

3. OPERATING INSTRUCTIONS

3.1. Power On/Off

- To turn the thermometer on, press the **ON/OFF** button.
- To turn the thermometer off, press the **ON/OFF** button again.
- The thermometer features an automatic shut-off function, which will turn off the device after approximately 45 minutes of inactivity to conserve battery life.

3.2. Taking a Measurement

1. Turn on the thermometer.
2. Carefully insert the stainless steel probe into the substance you wish to measure. Ensure the probe is inserted at least 2 cm (approximately 0.8 inches) into the medium for accurate readings.
3. Wait a few seconds for the temperature reading on the digital display to stabilize. The thermometer has a fast response time, typically under 1 second for updates.
4. Read the temperature displayed in degrees Celsius (C).

Figure 2: Proper insertion of the probe for temperature measurement. The image shows a hand holding the thermometer, with the probe inserted into a dark surface, likely an engine compartment, demonstrating its versatility beyond kitchen use.

3.3. Temperature Range and Accuracy

The thermometer measures temperatures within the range of -50 C to +300 C (-58 F to +572 F). Accuracy specifications:

- 1 C (1.8 F) for temperatures between -10 C and +100 C (14 F to 212 F).
- 2 C (3.6 F) for temperatures between -50 C and -10 C (-58 F to 14 F) and between +100 C and +200 C (212 F to 392 F).
- 3 C (5.4 F) for temperatures above +200 C (392 F).

4. MAINTENANCE

4.1. Cleaning

To ensure hygiene and prolong the life of your thermometer:

- Clean the stainless steel probe thoroughly with a damp cloth and mild detergent after each use.
- Do not immerse the main body of the thermometer in water, as it is only splash-proof (IP55 rated), not waterproof.
- Wipe the display and body with a soft, dry cloth.
- Ensure the probe is completely dry before storing.

4.2. Storage

Store the thermometer in a clean, dry place. Use the included plastic protective sheath for the probe to prevent damage and ensure safety.

5. TROUBLESHOOTING

5.1. Common Issues and Solutions

Problem	Possible Cause	Solution
Display is blank or dim.	Low or dead battery.	Replace the LR44 battery.
Inaccurate readings.	Probe not inserted deep enough; probe tip is dirty; extreme temperature fluctuations.	Ensure probe is inserted at least 2 cm; clean the probe thoroughly; allow thermometer to acclimate to ambient temperature before use.
Thermometer does not turn on.	Battery incorrectly installed; battery dead.	Check battery orientation; replace battery.

6. SPECIFICATIONS

Model Number: 30.1048

Temperature Range: -50 C to +300 C (-58 F to +572 F)

Accuracy: 1 C (-10 to 100 C), 2 C (-50 to -10 C / 100 to 200 C), 3 C (>200 C)

Probe Length: 140 mm (approx. 5.5 inches)

Power Source: 1 x LR44 battery (included)

Dimensions (L x W x H): 23.5 x 1.7 x 2.49 cm (approx. 9.25 x 0.67 x 0.98 inches)

Weight: 22.68 grams (approx. 0.8 ounces)

Material: Plastic (body), Stainless Steel (probe)

Special Feature: Automatic shut-off, Splash-proof (IP55)

HACCP Compliant: Yes

7. WARRANTY AND SUPPORT

7.1. Warranty Information

This product typically comes with a 1-year availability of spare parts. For specific warranty terms and conditions, please refer to the documentation provided with your purchase or contact the manufacturer

directly.

7.2. Customer Support

For further assistance, technical support, or inquiries regarding your TFA Dostmann 30.1048 thermometer, please contact TFA customer service through their official website or the contact information provided in your product packaging.