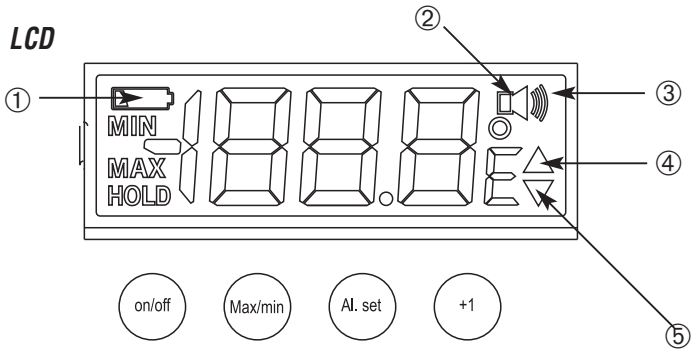
LCD



Digital control thermometer

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Thank you for choosing this instrument from TFA.

1. Before you use this product

- **Please make sure you read the instruction manual carefully.**
- **Following and respecting the instructions in your manual will prevent damage to your instrument 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 non-following of these instructions. Likewise, we take no responsibility for any incorrect readings or for any consequences resulting from them.**
- **Please pay particular attention to the safety notices!**
- **Please keep this instruction manual safe for future reference.**

2. Field of operation

- *Temperature measurement with waterproof cable sensor for food (in accordance with HACCP and EN13485), handcraft, laboratories, industry, agriculture and hobbies.*

3. For your safety

- *This product is exclusively intended for the field of application described above. It 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 device and the battery out of reach of children.*
- *Small parts can be swallowed by children (under three years old).*
- *Batteries contain harmful acids and may be hazardous if swallowed. If a battery is swallowed, this can lead to serious internal burns and death within two hours. If you suspect a battery could have been swallowed or otherwise caught in the body, seek medical help immediately.*
- *Batteries must not be thrown into a fire, short-circuited, taken apart or recharged.* ***Risk of explosion!***
- *Low batteries should be changed as soon as possible to prevent damage caused by leaking.*
- *Avoid contact with skin, eyes and mucous membranes when handling leaking batteries. In case of contact, immediately rinse the affected areas with water and consult a doctor.*

Important information on product safety!

- *Do not expose the device to extreme temperatures, vibrations or shocks.*
- *Only the probe is heat resistant up to 70 °C.*
- *Do not immerse the display unit into water. Water can penetrate and cause malfunction.*

4. Components
Display (LCD)

① *Battery low*
② *Alarm symbol*
③ *Buzzer Alarm Flashing Icon*
④ *Higher Alarm*
⑤ *Lower Alarm*

5. Installation

- *Remove the protective foil from the display. Open the battery cover on the backside of the instrument by opening the two little screws next to the magnet by a screw driver, remove the insulation strip and tighten the cover again. The unit is now ready for use.*

6. Operation
6.1 Temperature indication

- *The present temperature in °C or °F measured by the cable sensor is indicated on the display. Press the +1- switch to change from °C to °F readout.*

6.2 ON/OFF button

- *Press the "ON/OFF"-button to switch the instrument on and off. Settings are preserved, for measurements and alerting the instrument must be switched on.*

6.3 Hold/max-min-function

- *When pressing the "MAX/MIN"-button, the present display is held (HOLD).*
- *Pressing again the "MAX/MIN"-button, the display shows the maximum temperature since the last reset (MAX).*
- *When pressing the "MAX/MIN"-button again, the display shows the minimum temperature since the last reset (MIN).*
- *To go back to the present temperature display, press the "MAX/MIN"-button once more.*
- *To reset the maximum and minimum values, hold the "MAX/MIN"-button for 3 seconds, while MAX or MIN is indicated (---).*

6.4 Upper limit and lower limit temperature alert

- *To set an upper temperature limit, that means when passing the temperature an alarm is beeping, press the "AL SET"-button in normal mode. The upper temperature limit ▲ is shown and it is flashing. Set the desired temperature by pressing the +1-button. Hold and press the button for a fast count. Now you can activate (alarm symbol appears) or deactivate (alarm symbol disappears) the alarm pressing "MAX/MIN"- button. Confirm by pressing the "AL SET"-button.*
- *The lower temperature limit ▼ is shown and it is flashing. To set a lower temperature limit, that means when falling below the temperature an alarm is beeping, press +1-button. Hold and press the button for a fast count. Now you can activate or deactivate the alarm pressing "MAX/MIN-button". Confirm by pressing the "AL SET"-button.*
- *After setting temperature alarm the symbols ▲▼ show, if an upper or lower temperature alarm is activated.*
- *When passing or falling below the selected temperature limit an alarm signal will sound for 1 minute, the buzzer alarm icon and the corresponding arrow ▲ or ▼ will flash. The alarm and the buzzer alarm icon can be turned off manually by pressing any button.*
- *When temperature is again within the selected limits the alarm signal will stop (within 1 min.) and the buzzer alarm flashing icon disappears. The arrow keeps on flashing showing that the temperature was higher/lower than the preset value at least once in the past. Press +1- button and the arrow will stop flashing.*

7. Care and maintenance

- *Clean the device with a soft damp cloth. Do not use solvents or scouring agents.*
- *Remove the battery if the device will not be used for an extended period of time.*
- *Store the instrument in a dry place.*

Bedienungsanleitung
Instruction manual

TFA

Instruction manuals
www.tfa-dostmann.de/en/service/downloads/instruction-manuals ***Cat.-No. 30.1034***

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8. Battery replacement

- *For a long battery life, it is recommend to press the "ON/OFF" button to switch the instrument off when not in use.*
- *When the battery is used up, the low battery icon appears.*
- *Open the battery cover on the backside of the instrument, insert a new battery CR2032 3V Lithium and tighten the cover again.*

9. Troubleshooting

Problems	Solutions
No display	➜ Ensure battery polarity is correct (+ pole above) ➜ Change the battery ➜ Switch on the instrument (ON)
Incorrect display	➜ Check the position of the cable sensor ➜ Change the battery

10. Waste disposal

This product and its packaging have been manufactured using high-grade materials and components which can be recycled and reused. This reduces waste and protects the environment.
Dispose of the packaging in an environmentally friendly manner using the collection systems that have been set up.

Disposal of the electrical device

Remove non-permanently installed batteries and rechargeable batteries from the device and dispose of them separately.
This product is labelled in accordance with the EU Waste Electrical and Electronic Equipment Directive (WEEE).
This product must not be disposed of in ordinary household waste. As a consumer, you are required 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. The return service is free of charge. Observe the current regulations in place!

Disposal of the batteries

Batteries and rechargeable batteries must never be disposed of with household waste. They contain pollutants such as heavy metals, which can be harmful to the environment and human health if disposed of improperly, and valuable raw materials such as iron, zinc, manganese or nickel that can be recovered from waste. As a consumer, you are legally obliged to hand in used batteries and rechargeable batteries for environmentally friendly disposal at retailers or appropriate collection points in accordance with national or local regulations. The return service is free of charge. You can obtain addresses of suitable collection points from your city council or local authority.

The names for the heavy metals contained are: Cd=cadmium, Hg=mercury, Pb=lead.

Reduce the generation of waste from batteries by using batteries with a longer lifespan or suitable rechargeable batteries. Avoid littering the environment and do not leave batteries or battery-containing electrical and electronic devices lying around carelessly. The separate collection and recycling of batteries and rechargeable batteries make an important contribution to relieving the impact on the environment and avoiding health risks.

WARNING!
Damage to the environment and health through incorrect disposal of the batteries!

WARNING!
Batteries containing lithium can explode

- *Batteries and rechargeable batteries containing lithium (Li=lithium) present a high risk of fire and explosion due to heat or mechanical damage with potentially serious consequences for people and the environment. Pay particular attention to correct disposal.*

11. Specifications

Measuring range temperature:	*-40°C ...+70°C (-40°F...+158°F)*
Precision:	*±0.5°C @ -20…+25°C, otherwise ±1°C*
Cable:	*approx. 3 m*
Resolution:	*0.1°C*
Protection class:	*IP 65*
Power consumption:	*1x CR2032 3V Lithium Button cell battery (included)*
Housing dimension:	*87 x 17 (29) x 52 (57) mm*
Weight:	*79 g (device only)*

This product fulfills the guidelines according to EN 13485.

Suitability: *S, T (Stockage, Transport)*
Location: *A*
Accuracy class: *1*
Measuring range: *-40°C…+70C*

In accordance with EN 13485, this instrument is subject to regular inspections as per EN 13486 (recommendation: yearly).

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The latest technical data and information about this product can be found in our homepage by simply entering the product number in the search box.

www.tfa-dostmann.de *02/23*