



Kat. Nr. 30.1040

Digital probe thermometer

Thank you for choosing this instrument from TFA.

1. Before you use it

- Please be sure to read the instruction manual carefully.
- Following the instruction manual for use will prevent damage to the device 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 not following these instructions. Likewise, we take no responsibility for any incorrect readings and for any consequences which may result from them.
- Please take particular note of the safety advice!
- Please keep this instruction manual for future reference.

2. Field of operation

- Temperature measuring of liquids, pastes and semi-solid materials for household, business and hobby, also for food checks (according to HACCP) and EN 13485.

3. For your safety

- The 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.
- The product is not to be used for medical purpose or for public information, but is intended only for home use.



Caution! Risk of injury:

- Keep this instrument and the battery out of reach of children.
- Be careful by handling with the probe. If you do not use the instrument, please use always the protective cap on the probe.
- Batteries must not be thrown into the fire, short-circuited, taken apart or recharged. Risk of explosion!
- Batteries can be fatal if swallowed. If a battery has been swallowed, get medical assistance immediately.
- Batteries contain harmful acids. Low batteries should be changed as soon as possible to prevent damage caused by a leaking battery.
- Wear chemical-resistant protective gloves and glasses when handling leaked batteries.



Important information on product safety!

- Do not place the unit near extreme temperatures, vibration or shock.
- Only the probe is heat resistant until 250 °C.
- Never burn the probe directly over fire.
- Do not immerse the display unit into water. Water can penetrate and cause malfunction. Protect from moisture. Not suitable for dishwasher.

4. Elements

Buttons

- ① ON/OFF button ② MAX/MIN/HOLD button ③ °C/°F button

Housing

- ④ Battery compartment ⑤ Protective cap ⑥ Clip

5. Getting started

- Open the battery compartment by turning the lid in direction of the arrow by using a suitable screwdriver (OPEN) and remove the insulation strip.
- Close the battery compartment by turning the lid in direction of the arrow by using a suitable screwdriver (CLOSE). Pay attention to the sealing ring.
- Remove the protective cap from the probe.
- Press ON/OFF button.
- The actually measured temperature is shown on the display.
- The sensor is located in the point of the probe. To measure the temperature, insert the probe at least 2 cm deep in the object.

6. HOLD function

- Press MAX/MIN/HOLD button in normal mode.
- HOLD appears on the display.
- The hold-function for the current temperature is activated.
- Press MAX/MIN/HOLD button three times and you will return to normal mode.

7. MAX/MIN function

- Press MAX/MIN/HOLD button twice in normal mode and the highest temperature is displayed (MAX) since the last reset.
- Press MAX/MIN/HOLD button again and the lowest temperature is displayed (MIN) since the last reset.
- Press MAX/MIN/HOLD button again and you will return to normal mode.
- If the temperature in the Max-Min mode falls or rises below or above the recorded maximum or minimum value a dynamical update will happen.
- To clear the maximum and minimum memory, press and hold the MAX/MIN/HOLD button for 3 seconds in the corresponding mode while MAX or MIN is displayed.
- "—" appears on the display.
- Press the MAX/MIN/HOLD button again to return to normal mode.

8. Switch-OFF function

- Hold ON/OFF button for 2 seconds.
- OFF flashes of the display.
- The instrument turns off.
- When the instrument is not used, it will automatically switch off after approx. 10 minutes.
- Put the protective cap over the probe.



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9. Unit change °C/°F

- Use a pin for to press the grey °C/°F button at the rear side and the temperature unit can be changed from °C (grade Celsius) to °F (grade Fahrenheit).

10. Long-term measurement

- Press MAX/MIN/HOLD button for 3 seconds in normal mode.
- X appears on the display.
- The automatic off-function is deactivated.
- Press and hold the MAX/MIN/HOLD button to activate the function again.

11. Calibration

- Press ON/OFF button.
- Put the instrument for 3 minutes into a bowl with ice water until the temperature does not change anymore ($\pm 2^\circ\text{C}$).
- Producing of ice water: Fill up a thermos bottle with crushed ice. Then fill cold water into the thermos bottle up to the top, so that no air will be in the bottle. After approximately 30 minutes the ice water has reached a temperature of 0°C ($\pm 0,1^\circ\text{C}$). Depending on the quality of the thermos bottle the temperature stays constant until 24 hours.
- Note that two-thirds of the length of the probe should be immersed into the ice water.
- Press and hold °C/°F button (3 sec.) to get into the calibration mode.
- CAL appears on the display.
- Wait until 0°C ($\pm 0,5^\circ\text{C}$) appears on the temperature display.
- Hold °C/°F button, until 0°C appears on the display.
- The instrument is now calibrated.
- Stop pressing the °C/°F button to return to normal mode.

12. Care and maintenance

- Clean it with a soft damp cloth. Do not use solvents or scouring agents.
- Remove the battery if you do not use the product for a lengthy period.
- Keep the instrument in a dry place.

13. Battery replacement

- Change the battery when the battery symbol appears on the display.

14. Troubleshooting

Problems	Solutions
No display	<ul style="list-style-type: none"> → Ensure battery polarity is correct (+ pole above) → Change battery → Switch on the instrument (ON)
Incorrect display	<ul style="list-style-type: none"> → Check the position of the sensor → Change battery

15. Waste disposal

This product has been manufactured using high-grade materials and components which can be recycled and reused.



Never dispose empty batteries and rechargeable batteries in household waste. As a consumer, you are legally required to take them to your retail store or to appropriate collection sites depending to national or local regulations in order to protect the environment.



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

This instrument is labelled in accordance with the EU Waste Electrical and Electronic Equipment Directive (WEEE).

Please do not dispose of this instrument in household waste. The user is obligated 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.

16. Specifications

Measuring range temperature:	-40°C ... +250°C (-40°F...+482 °F)
Precision:	<ul style="list-style-type: none"> $\pm 1^\circ\text{C}$ @ -40°C...-10°C ($\pm 2^\circ\text{F}$ @ -40°F...+14°F) $\pm 0,5^\circ\text{C}$ @ > -10°C...+150°C ($\pm 1^\circ\text{F}$ @ +14°F...+302°F) $\pm 1^\circ\text{C}$ @ > +150°C...+200°C ($\pm 2^\circ\text{F}$ @ +302°F...+392°F) $\pm 2^\circ\text{C}$ @ > +200°C...+250°C ($\pm 4^\circ\text{F}$ @ +392°F...+482°F)
Operating temperature:	-20°C... +50°C (-4°F...+122°F)
Protection class:	IP 67
Power consumption:	Button cell battery 1x LR44

This product fulfils the guidelines according to EN 13485.

Suitability:	S, T (Storage, Transport)
Location:	E
Accuracy class:	0,5
Measuring range:	-40°C...+250°C

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

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