



## Food thermometer

JFT

JFT 100



PROFESSIONAL MEASUREMENT

English Version

### User Manual Food Thermometer

Version 1.0  
2025-07  
de  
JFT-BA-e-2510

**SAUTER JFT****Food thermometer****User Manual Food Thermometer**

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Version 1.0 2025-07 German Version

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# 1 Technical Specifications

|                                                |                                                                                               |                                                                                |
|------------------------------------------------|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| Model                                          | JFT 100                                                                                       |                                                                                |
| LCD size                                       | 33 x 39 mm                                                                                    |                                                                                |
| LCD Type                                       | FSTN 6-digit display                                                                          |                                                                                |
| Infrared measurement                           | Measuring range                                                                               | -40 °C to 300 °C (-40 °F to 572 °F)                                            |
|                                                | Accuracy                                                                                      | -40 °C ≤ t ≤ 0 °C: ± (1.5 + 0.1 ×  t ) °C                                      |
|                                                |                                                                                               | 0 °C ≤ t ≤ 300 °C: ±1.5 °C or ±0.015 × t °C<br>whichever value is greater      |
|                                                |                                                                                               | -40°F ≤ t ≤ 32°F: ± (3.0 + 0.1 ×  t - 32 ) °F                                  |
|                                                |                                                                                               | 32°F ≤ t ≤ 572°F: ±3.0°F or ±0.015 × t °F<br>whichever is greater              |
|                                                | Temperature coefficient                                                                       | ±0.1°C/°C or ±0.1%/°C, whichever is greater                                    |
|                                                | Emissivity                                                                                    | 0.95 (not adjustable)                                                          |
|                                                | Distance-to-spot ratio (D:S)                                                                  | 8:1                                                                            |
|                                                | Spectral range                                                                                | 5 μm–14 μm                                                                     |
|                                                | Response time                                                                                 | S250 ms (95% of the measured value)                                            |
|                                                | Repeatability                                                                                 | 1.0°C or 1.0%, whichever is greater<br>(2.0°F or 1.0%, whichever is greater)   |
|                                                | Laser                                                                                         | Single laser (turns on/off automatically when starting/ending the measurement) |
|                                                | Laser power                                                                                   | <1 mW                                                                          |
|                                                | Laser wavelength                                                                              | 650 ± 20 nm                                                                    |
|                                                | Laser spot diameter                                                                           | 10 mm ≤ 15 mm ≤ 10 m                                                           |
| Probe measurement                              | Measurement range                                                                             | -50 °C to 300 °C (-58 °F to 572 °F)                                            |
|                                                | Accuracy                                                                                      | -50 °C ≤ t ≤ -30 °C: ± 1.0 °C                                                  |
|                                                |                                                                                               | -30 °C ≤ t ≤ 100 °C: ± 0.5 °C                                                  |
|                                                |                                                                                               | 100 °C ≤ t ≤ 300 °C: ± 0.01 × t °C                                             |
|                                                |                                                                                               | -58 °F ≤ t ≤ 22 °F: ± 2.0 °F                                                   |
|                                                |                                                                                               | -22 °F ≤ t ≤ 212 °F: ± 1.0 °F                                                  |
|                                                |                                                                                               | 212 °F ≤ t ≤ 572 °F: ± 0.01 × t °F                                             |
|                                                | Sensor type                                                                                   | NTC                                                                            |
|                                                | Minimum measurement depth                                                                     | 12.7 mm                                                                        |
| Automatic shutdown                             | Infrared (not in MAX/MIN T1/T2 mode)                                                          | 60 s ±5 s                                                                      |
|                                                | Probe/infrared in MAX/MIN T1/T2 mode                                                          | 10 min ±1 min                                                                  |
| Display when the measurement range is exceeded | Measured value > maximum range → -Display L0<br>Measured value > minimum range → -Display -L0 |                                                                                |
| Operating temperature                          | -0 °C to 50 °C (32 °F to 122 °F)                                                              |                                                                                |

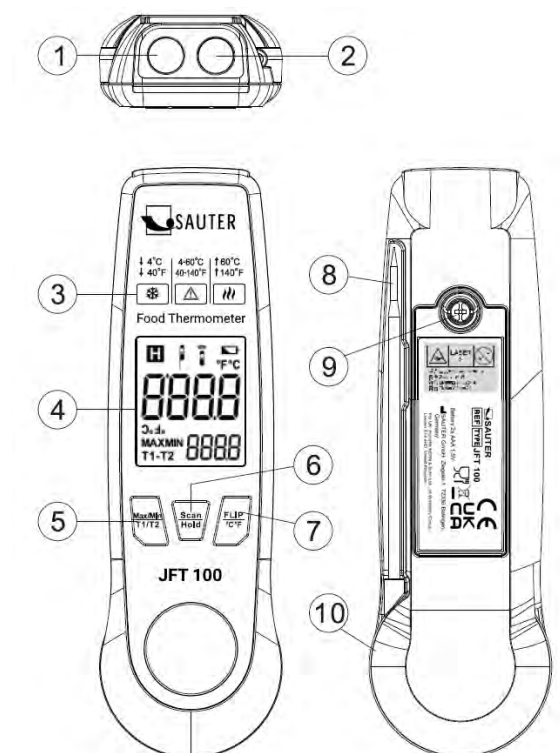
|                            |                                    |                                |
|----------------------------|------------------------------------|--------------------------------|
| Storage temperature        | -30 °C to 70 °C (-22 °F to 158 °F) |                                |
| Operating humidity         | < 90% RH (non-condensing)          |                                |
| Maximum operating altitude | 2000 m                             |                                |
| Key life                   | 10,000 cycles                      |                                |
| Probe lifespan             | 10,000 cycles                      |                                |
| IP rating                  | IP 65                              |                                |
| Drop test                  | 1 m                                |                                |
| Battery type               | 2 x AAA alkaline batteries         |                                |
| Operating time             | Infrared mode                      | >20 h (continuous measurement) |
|                            | Probe mode                         | >80 h (continuous measurement) |
| Low battery indicator      | ✓                                  |                                |
| LED alarm                  | ✓                                  |                                |
| Data hold function         | ✓                                  |                                |
| Unit conversion (°C/°F)    | ✓                                  |                                |
| MAX/MIN/AVG                | ✓                                  |                                |
| Rotated display            | ✓                                  |                                |
| Product color              | White and silver                   |                                |
| Product weight             | 180 g (with 2 AAA batteries)       |                                |
| Dimensions                 | 178 x 55 x 22 mm                   |                                |

## 3 Device Overview

### 3.1 Scope of delivery

- Thermometer
- 2 x AAA batteries
- User manual

### 3.2 Components



| Description of the | function                        |
|--------------------|---------------------------------|
| 1                  | Infrared sensor                 |
| 2                  | Single laser                    |
| 3                  | HACCP indicator lights          |
| 4                  | LCD                             |
| 5                  | MAX/MIN T1/T2                   |
| 6                  | Scan/Hold                       |
| 7                  | Switch, °C/°F                   |
| 8                  | Probe                           |
| 9                  | Battery compartment cover screw |
| 10                 | Probe selector switch           |

## 4 Basic Information (General)

### 4.1 General Information About Warnings

Warnings are used in this operating manual to alert you to potential injury or property damage in specific situations.

| Signal word    | Description of the                                                                                                                                   |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>DANGER</b>  | Failure to follow the instructions will result in serious injury, permanent impairment (e.g., loss of limbs), or death of the user or third parties. |
| <b>WARNING</b> | Failure to follow the instructions may result in serious injury, permanent impairment (e.g., loss of limbs), or death of the user or third parties.  |
| <b>CAUTION</b> | Failure to follow these instructions may result in minor injuries or temporary harm to the user or third parties (e.g., minor cuts).                 |
| <b>NOTE</b>    | Failure to follow the instructions may result in property damage.                                                                                    |

**Symbols in warning notices :**

| Symbol                                                                              | Meaning                                                                                              |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| <b>Warning</b>                                                                      | Warning signs alert you to hazards that can lead to injury. The symbol indicates the type of hazard. |
|  | Indicates general hazards or a hazardous area                                                        |
|  | Warning of electrical voltage                                                                        |
|  | Warning of flammable substances                                                                      |
|  | Warning of explosive substances                                                                      |
|  | Warning regarding electrostatic-sensitive components                                                 |

### 4.2 Intended use

Use the precision measuring instrument exclusively for determining color spectra and wavelengths. To use the device as intended, avoid drastic changes in the device's external environment during measurement, such as flickering ambient light and rapid temperature fluctuations. During measurement, hold the device steady, keep the

measurement aperture close to the object being measured, and avoid vibrations and movement. Keep the device clean and tidy.

After use, store the device and its accessories in the device box and store it properly. The device should be stored in a dry and cool environment.

If you have any questions, please contact SAUTER or visit our website at [www.sauter.eu](http://www.sauter.eu).

### **4.3 Improper Use**

The measuring device must not be used for medical purposes.

Do not use the device in potentially explosive areas or for measurements in liquids or on live parts. This device is not waterproof and cannot be used in environments with high humidity or water mist. Prevent liquids, powders, or solid foreign objects such as water and dust from entering the measuring opening and the housing.

Unauthorized structural modifications, additions, or alterations to the device are prohibited. Unauthorized modifications may impair the accuracy of the device or even cause irreversible damage to it.

### **4.4 Warranty**

The warranty is void if

- failure to follow the instructions in the user manual
- use outside the described application ranges
- Modification or opening of the device
- Mechanical damage and damage caused by media, liquids, or natural wear and tear
- Improper setup or electrical installation
- Improper assembly or electrical installation

## 5 Basic warnings and safety instructions

### 5.1 Follow the instructions in the user manual



Read the operating instructions carefully before commissioning/using the device, even if you already have experience with SAUTER devices. Always keep the instructions in close proximity to the device.

### 5.2 Staff Training

The device may only be operated by persons who have read and understood the operating instructions, particularly the section on safety.

### 5.3 Safety

| <b>⚠ WARNING</b>                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p><b>Read all safety warnings and instructions.</b><br/>Failure to follow the safety instructions and guidelines can result in electric shock, fire, and/or serious injury.<br/><b>Keep all safety instructions and guidelines for future reference.</b></p> <ul style="list-style-type: none"><li>• Ensure that no persons or objects are ever located under the load, as they could be injured or damaged!</li><li>• Do not modify the design of the measuring device. This can lead to incorrect measurement results, safety-related defects, and destruction of the measuring device.</li><li>• Do not operate the device in or install it in potentially explosive rooms or areas.</li><li>• Do not operate the device in a corrosive atmosphere.</li><li>• Do not immerse the device in water. Do not allow liquids to enter the interior of the device.</li><li>• The device must only be used in a dry environment and under no circumstances in rain or at relative humidity levels exceeding the operating conditions.</li><li>• Protect the device from prolonged direct sunlight.</li><li>• Do not expose the device to strong vibrations.</li><li>• Do not remove any safety signs, stickers, or labels from the device. Keep all safety signs, stickers, and labels legible.</li><li>• Do not open the device.</li></ul> |

| <b>⚠ WARNING</b>                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p><b>Risk of injury from electric shock!</b></p> <ul style="list-style-type: none"><li>• There is a risk of a short circuit if liquids enter the housing!</li><li>• Do not immerse the device or its accessories in water.</li></ul> <p>Ensure that no water or other liquids enter the housing.</p> <ul style="list-style-type: none"><li>• Work on electrical components must only be performed by an authorized service provider!</li></ul> |

| <b>⚠ WARNING</b> |  |
|------------------|--|
|------------------|--|



|                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p><b>Risk of suffocation!</b></p> <p>Do not leave packaging materials lying around carelessly. They could become a dangerous toy for children.</p> <ul style="list-style-type: none"> <li>• The device is not a toy and does not belong in the hands of children.</li> <li>• This device can be dangerous if used improperly or for purposes other than intended by untrained persons! Observe the qualification requirements for operating personnel!</li> </ul> |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| ⚠ WARNING                                                                         |                                                                                                                                                                                                                                                                                                      |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p><b>Electrostatic-sensitive device!</b></p> <ul style="list-style-type: none"> <li>• The device can be destroyed by electrostatic discharge. HF signal connections are particularly at risk.</li> <li>• Please follow the handling instructions for electrostatic-sensitive components.</li> </ul> |

| ⚠ WARNING                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br> | <p>If rechargeable or non-rechargeable batteries are used improperly, they may catch fire, explode, emit toxic fumes, or release corrosive liquids. Therefore, the following applies to rechargeable and non-rechargeable batteries:</p> <ul style="list-style-type: none"> <li>• Protect from fire and heat.</li> <li>• Never expose to high pressure or microwaves.</li> <li>• Do not allow contact with liquids or chemicals.</li> <li>• The electrical contacts of rechargeable batteries and rechargeable cells must never come into contact with metal objects or be short-circuited.</li> <li>• Never modify rechargeable batteries, batteries, or chargers.</li> <li>• Batteries must never be recharged.</li> <li>• Never use or charge a defective, damaged, or deformed battery.</li> <li>• Do not use power adapters that do not meet the technical specifications. This can shorten the battery's lifespan or even cause an electric shock, which may damage the device or cause a fire.</li> <li>• If the device is not used for an extended period, the external power adapter should be unplugged to prevent the device from overheating and causing a fire.</li> <li>• If you do not use the device for an extended period, you should charge it every two weeks; otherwise, the internal battery may be slightly damaged, rendering the device unusable.</li> </ul> |

| CAUTION                                                                                                                                                                               |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <ul style="list-style-type: none"> <li>• Keep a sufficient distance from heat sources.</li> <li>• Do not use the device in environments with high humidity or water vapor.</li> </ul> |  |

 **NOTE**

- To prevent damage to the device, do not expose it to extreme temperatures, extreme humidity, or moisture.
- Do not use harsh cleaning agents, abrasives, or solvents to clean the device.

## **6 Transport and Storage**

### **Note**

Improper storage or transport may damage the device. Follow the instructions for transporting and storing the device.

### **Transport**

When transporting the device, use the carrying case included in the package to protect the device from external influences.

### **Storage**

Follow these storage conditions when the device is not in use:

- dry and at a temperature between protected from frost and heat
- protected from dust in the carrying case
- the storage temperature complies with the technical specifications

### **Packaging/Return Shipping**

Returns are only possible in accordance with the General Terms and Conditions. Keep all parts of the original packaging for any necessary return shipping.

- Only the original packaging may be used for return shipping.
- Before shipping, disconnect all connected cables and remove any loose or movable parts.
- Reattach all shipping restraints provided.
- Secure all parts to prevent them from shifting and being damaged.

## **7      Unpacking and Setup**

### **7.1    Unpacking**



In the event of a return, please follow the instructions in the “Packaging/Return Shipping” section.

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Upon receipt of the device, you should first check that no damage occurred during transport and that the outer packaging, the housing, other parts, or even the device itself have not been damaged. If you discover any damage, please notify SAUTER GmbH immediately.

### **7.2    Initial Setup**

To ensure the measuring device functions properly, insert the supplied batteries before use .

## 8 Menu

### 8.1 Navigating the Menu

|                                                                                   |                             |                                                                                    |
|-----------------------------------------------------------------------------------|-----------------------------|------------------------------------------------------------------------------------|
|  | Data hold                   |  |
|  | Infrared measurement        |                                                                                    |
|  | Temperature units           |                                                                                    |
|  | Maximum/minimum temperature |                                                                                    |
|  | Low battery                 |                                                                                    |
|  | Probe measurement           |                                                                                    |
|  | Primary/secondary display   |                                                                                    |
|  | Temperature difference      |                                                                                    |

### 8.2 Functions

#### 8.2.1 MAX/MIN | T1/T2

Short press (less than 0.5 s): Display the maximum or minimum value

Long press (approx. 1.5 s): Activate the function to calculate the temperature difference

#### 8.2.2 Scan/Hold

In infrared mode: Press to measure. Release to hold the data.

In special mode: Switch the measurement mode (automatic measurement/hold).

#### 8.2.3 Switch | °C/°F

Short press (less than 0.5 s): Toggle the display (the MAX/MIN|T1T2 function is disabled at this time).

Long press (approx. 1.5 s): Switch temperature units (°C/°F)

### 8.3 Operation

#### 8.3.1 Turning on/off

- When the probe is retracted, press the "Scan | Hold" button to turn on the thermometer and activate infrared mode (non-contact).
- When the probe is extended, it switches to probe mode (contact mode).
- In infrared mode (not in Max/MiniT1/T2 mode), the product automatically turns off if no button is pressed for one minute.
- In probe mode or infrared mode (in Max/MiniT1/T2 mode), the product automatically turns off if no button is pressed for ten minutes.
- If the probe is extended and the product has turned off automatically, Press the "Scan | Hold" button to reactivate it.

### 8.3.2 Temperature Measurement

Infrared mode:

Press the "Scan | Hold" button to measure the temperature, and release the button to end the measurement. "CI" will appear in the upper left corner of the LCD display, and the data will be held.

Probe mode:

When the probe is extended, the product automatically begins measuring.

Insert the probe at least 12.7 mm into the object being measured and wait until the reading stabilizes before taking the temperature. Press the "Scan | Hold" button. "CI" will appear in the upper left corner of the LCD display, and the data will be held. Press the "Scan | Hold" button again to return to automatic measurement.

### 8.3.3 Function Settings

Max/Min:

- While the measurement data is held, press the "Max/MiniT1/T2" button to toggle between Max, Min (the last continuous measurement), and exit the Max/Min display on the secondary display.
- If the temperature is measured while the Max/Min function is active, the Max and Min values of the current continuous measurement are displayed.

The Max/Min function is useful for users to monitor and adjust the temperature.

### 8.3.4 Temperature Difference

- After turning on the thermometer for measurement, press and hold the Maxi/MiniT1/T2 button to cycle through T1|T2>T1-T2>T1 on the secondary display. Press and hold the button again to exit the mode.

### 8.3.5 Temperature Units

- Press and hold the FLIP|C°F button to cycle through the temperature units.

### 8.3.6 Rotated display

- Press the FLIP|C°F button to rotate the screen 180°. Press the button again to exit the mode.
- When the Max/Mini T1/T2 function is activated, the screen automatically exits rotation mode.

## 8.4 HACCP Check

- This thermometer features an HACCP check function.

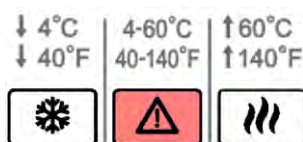


If the measured temperature is within the safe refrigeration temperature ( $< 4^{\circ}\text{C}$  /  $< 40^{\circ}\text{F}$ ) or the heat retention temperature ( $> 60^{\circ}\text{C}$  /  $> 140^{\circ}\text{F}$ ), the green indicator lights up.

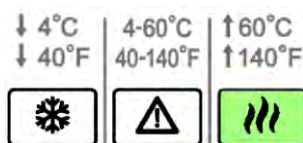


If the measured temperature is within the hazardous HACCP range ( $4^{\circ}\text{C}$ – $60^{\circ}\text{C}$ / $40^{\circ}\text{F}$ – $140^{\circ}\text{F}$ ), the red indicator lights up.

At this point, the growth of microorganisms is fastest, and it is necessary to consider safe options for food storage or handling.



If the measured temperature is above  $60^{\circ}\text{C}$  ( $140^{\circ}\text{F}$ ), the green indicator lights up green.

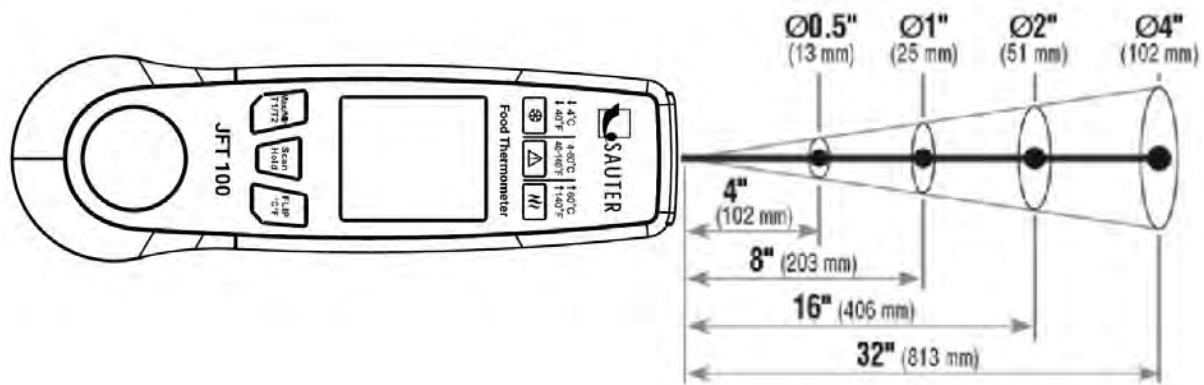


The indicator light flashes during measurement. When “” appears on the screen after the measurement is complete, the indicator light stops flashing.

## 8.5 Infrared Measurement

### 8.5.1 D: S (Distance-Spot Ratio)

As the distance (D) between the thermometer and the measurement object increases, the spot diameter (S) of the measurement area also increases. The relationship between measurement distance and spot diameter is shown in the following figure.



### 8.5.2 Field of View

When taking a measurement, ensure that the measurement object is larger than the spot diameter. The smaller the measurement object, the shorter the measurement distance should be (see D:S for the exact spot diameter). It is recommended that the measurement object be larger than twice the spot diameter of the thermometer.

### 8.5.3 Emissivity

Emissivity indicates the ability of the measured object to emit infrared energy. In infrared measurement, infrared energy is measured to determine the temperature. Objects made of different materials have different emissivities. The standard emissivity of the JTL 100 food thermometer is 0.95. This emissivity is best suited for measuring the temperature of food (hot, frozen, or chilled food, or food in plastic containers), water, oil, slurry, paint, ceramics, rubber, and paper.

## 8.6 Important for using the

The infrared mode measures the surface temperature, while the probe mode measures the internal temperature of food.

#### Infrared measurement:

- If the ambient temperature changes (e.g., from indoors to outdoors), allow the thermometer to stabilize for at least 30 minutes. Otherwise, errors may occur.
- If there is dust or debris on the lens of the infrared sensor, clean the lens with a cotton cloth dampened with water or alcohol.
- Make sure there are no other obstacles between the product and the object being measured.
- For vacuum-packed foods, please do not measure the packaging.

#### Probe measurement:

- The probe has a minimum penetration depth of 12.7 mm.
- Do not use the product in corrosive acids or alkalis.



## 9 Battery operation/power supply

### **⚠ WARNING**



**Risk of fire or explosion due to improper charging or a defective battery**



**Fire or explosion can result in serious injury**

- ⇒ Be sure to follow the instructions regarding rechargeable and non-rechargeable batteries in the “Safety” chapter.
- ⇒ Observe national and international transport regulations for devices with a built-in lithium-ion battery.
- ⇒ Do not replace defective batteries yourself! Contact SAUTER or a specialist dealer directly.

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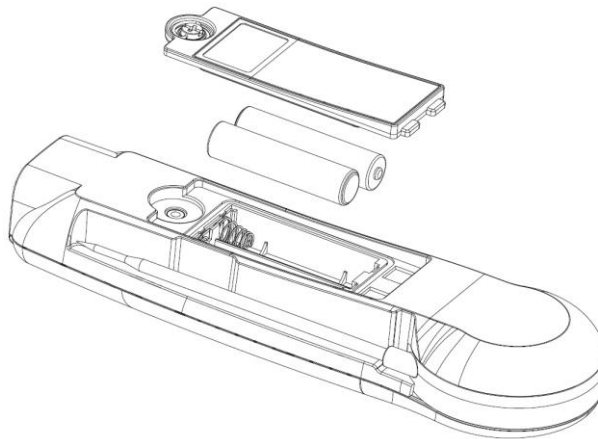
Please use AAA alkaline batteries for operation.

### **9.1 Replacing batteries**

When using the thermometer for the first time, please insert the batteries first.

To remove the battery cover:

- Hold the metal ring on the screw with one hand or a tool and turn the ring counterclockwise to loosen the battery compartment cover.
- Lift the battery compartment cover and replace or insert the batteries.
- Pay attention to the battery polarity.
- After replacing the batteries, close the cover and tighten the screw.



## 10 Maintenance, Care, and Disposal



Disconnect the device from the power supply before performing any maintenance, cleaning, or repair work.

### 10.1 Cleaning

Clean the device with a damp, soft, lint-free cloth. Make sure that no moisture enters the housing. Do not use sprays, solvents, alcohol-based cleaners, or abrasive cleaners; use only plain water to dampen the cloth.

### 10.2 Maintenance , and Repairs

Do not make any modifications to the device or install any replacement parts. Contact the manufacturer for repairs or device inspections.

### 10.3 Troubleshooting

| Cause                           | Cause                                                                         | Action                                                                                                                                                                                 |
|---------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Display OL                      | Measured value > maximum range                                                | Stop measurement                                                                                                                                                                       |
| Display -OL                     | Measured value < minimum range                                                | Stop measurement                                                                                                                                                                       |
| Display Err (Start)             | Minimum/maximum operating temperature exceeded or infrared sensor damaged     | Store the thermometer for 30 minutes at -10 °C to 50 °C (32 °F to 122 °F)                                                                                                              |
| Battery icon is flashing        | Low battery                                                                   | Replace batteries                                                                                                                                                                      |
| Er0 (Start) display             | Internal damage                                                               | Restart the thermometer or remove and reinsert the batteries, then restart it. If the thermometer still does not function normally, contact customer service for further instructions. |
| Inaccurate infrared measurement | Measurement distance too great, diameter of the object being measured < 12 mm | See Field of View, D:S, and other instructions in this manual.                                                                                                                         |

|                              |                                                                               |                                            |
|------------------------------|-------------------------------------------------------------------------------|--------------------------------------------|
| Inaccurate probe measurement | Probe damage; insert the probe less than 12.7 mm into the measurement object. | Contact customer service for further steps |
|------------------------------|-------------------------------------------------------------------------------|--------------------------------------------|

#### 10.4 Waste Disposal



Old devices and accessories must not be disposed of with household waste.

The operator must dispose of the packaging and the device in accordance with applicable national or regional regulations at the place of use.

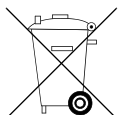
The device consists of various components and materials, such as

- Electronic components (circuit boards, electrical cables)
- Plastic (housing)
- Metal

Improper disposal of the device can have harmful effects on people and the environment.

Proper and environmentally friendly disposal can prevent harmful effects and recover raw materials.

#### Disposal of batteries:



Rechargeable batteries and batteries do not belong in household waste.

The operator must dispose of rechargeable and non-rechargeable batteries in accordance with applicable national or regional laws at the place of use.

## 11 Battery Act

Note in accordance with the Battery Act – BattG:

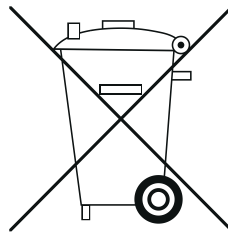
### INFORMATION



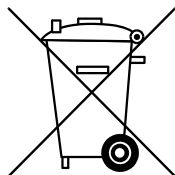
- The following information applies to Germany.

In connection with the sale of batteries and rechargeable batteries, we, as a retailer, are required by the Battery Act to inform end consumers of the following:

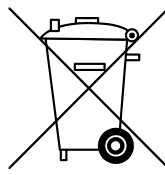
- End consumers are legally required to return used batteries and rechargeable batteries.
- Batteries and rechargeable batteries can be returned free of charge after use to municipal collection points or specialty retailers. The batteries/rechargeable batteries must have reached the end of their normal service life; otherwise, precautions must be taken to prevent short circuits.
- The return option is limited to batteries and rechargeable batteries that we currently carry or have carried in our product range, as well as to the quantity that end consumers typically dispose of.
- A crossed-out trash can symbol means that you must not dispose of batteries or rechargeable batteries in household waste. Old batteries or rechargeable batteries may contain hazardous substances that can harm people and the environment if disposed of improperly.



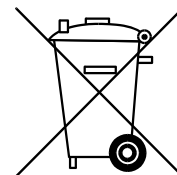
- Batteries containing hazardous substances are marked with a symbol consisting of a crossed-out trash can and the chemical symbol (Cd = cadmium, Hg = mercury, or Pb = lead) of the heavy metal that determines their classification as hazardous substances.



**Cd**



**Hg**



**Pb**