

TAIJI

# Digital Sake thermometer with alarm function

## Instruction manual

Model:TST-100A



Thank you for purchasing of our thermometer this time.  
Before use, please read this manual carefully, and please  
use the thermometer correctly and safely. After reading,  
please keep and refer to it any time as important information.

タイジ株式会社

<http://www.taiji.co.jp/e>

### Taiji Overseas Sales dept.

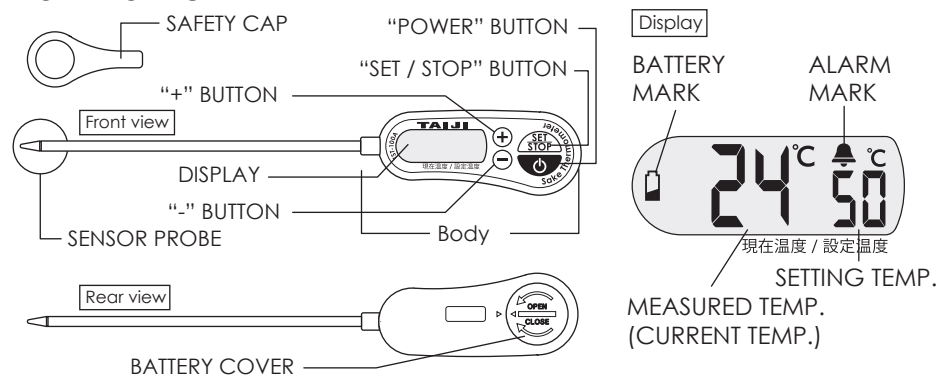
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## Part name



## Battery replacement (battery type: Lithium battery CR2032 × 1 pc.):

When battery power becomes weak and need to replace it,  
if press the "POWER" BUTTON, "LO" and BATTERY MARK are  
indicated on DISPLAY as per a right figure. Replace the battery  
with following way:



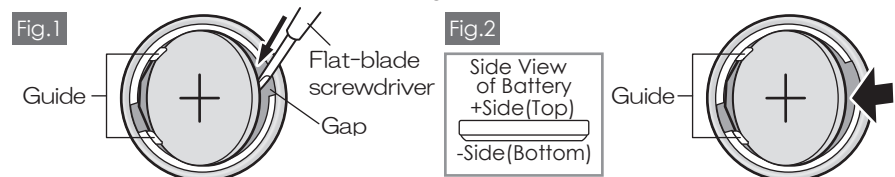
1) Turn BATTERY COVER towards "OPEN" direction by a coin, and remove the cover.  
Caution: Open the cover carefully as there is a risk to crush the coin slot for impossible  
to open the cover.

2) Insert the flat-blade screwdriver tip to a gap of battery housing to lift up an  
old battery to take it out (see Fig. 1). Check the polarity of new battery (+, -),  
then put the new one correctly (see Fig. 2).

Caution: Plus "+" side must be face up position. The battery leakage may be  
occurred if wrong polarity setting.

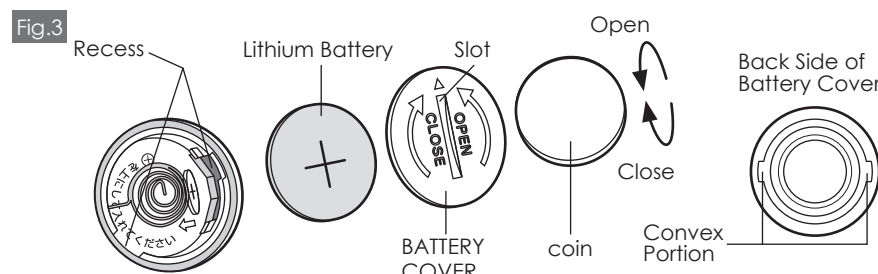
3) Set BATTERY COVER to match concave notches of housing side and convex  
parts of cover side, then close the cover towards the "CLOSE" direction by a coin  
(see Fig. 3).

Caution: Use the product after confirming that the BATTERY COVER is securely closed.



Caution: When take out a battery,  
it may pop out suddenly.

Caution: Battery should put into underneath  
of the guides through with plus "+" face up.



Caution: Since the accessory battery is for operation check, and its life may be shorter  
than mentioned in this manual.

## Pre-cautions for use:

Pre-cautions for use:

- 1) This product is not waterproof structure. Except for SENSOR PROBE part, do not put  
detergent, or avoid washing or soak in water.
- 2) Do not use the product near static electricity or electromagnetic waves as such as  
IH cookers and microwave ovens etc. It may cause of failure or malfunction.
- 3) Do not place the product in high temperature and magnetic location.
- 4) Do not give heating, dismantle, electric charging, remodeling to the product. Also  
avoid using it in water or fire.
- 5) Dropping or giving shock may cause malfunction on the product.
- 6) SENSOR PROBE of the product is applicable for temperature range -50°C ~ + 300°C.  
Therefore, use of outside this range will cause of failures.
- 7) As a main body of the product is made of plastic resin, do not apply fire directly or  
do not put it in a place of becoming high temperature.
- 8) Do not hang the product on a hook wearing SAFETY CAP on it. Also, do not swing  
it with SAFETY CAP.
- 9) SENSOR PROBE is a skewer-shaped; there is a risk of injury by wrong handling. Pay  
enough attention to use. Put SAFETY CAP to SENSOR PROBE tip when no use. Keep it  
away from a reach of children.
- 10) Since this product is designed for measuring Sake temperature, do not use it for  
human being body temperature measurement.

## Warning about battery:

- Do not short-circuit, dismantle a battery. Do not apply heating. Also, do not attempt  
to incinerate. It may be cause for heat up, leakage or rupture.
- Keep the battery away from a reach of children. If children swallow it, consult to a  
doctor immediately.
- When abandon or discard an used battery or keep a fresh battery, put electrode  
insulator to it with as such as taping. Contacting electrode with other metals and  
batteries it may case for ignition and rupture.

## Caution for battery:

Make sure following points for safety use. If misuse of battery, it will cause of failure of  
the product. There is a risk of leakage and rupture for injury.

- Put battery polarity (+, -) correctly.
- Remove the battery from the product when if it is not used for a long time.
- When disposing of batteries, follow the instructions from local society.

## Product Specifications:

Display:	LCD (liquid crystal display), 6-digit
Display unit:	1°C
Display temperature range:	-50~ + 300°C
Applicable sensor probe temp. range:	-50~ + 300°C
Guaranty operating temp. and humidity range:	0~ + 40°C, less than RH 85% (with no condensation)
Accuracy:	±1°C for 0~ + 50°C range ±2% (±4~±6°C) for + 200°C or above ±2°C for other range
Alarm sounding time:	about 60 seconds
Auto power off time:	about 10 minutes at no button operation. about 60 minutes at alarm mode setting.
Drip-proof performance:	JIS C 0920 IPX2 or equivalent
Battery:	Lithium battery CR2032 × 1 pc.
Above product specifications are subject to change without notice for improvement.	

Use instruction: Make sure to use the product holding thermometer body part. Do not leave the product in a cooking pan or pot etc.

- 1) Remove SAFTY CAP.
- 2) Press "POWER" BUTTON to operate, all display is indicated. After the display came out, MEASURED TEMP. part shows CURRENT TEMP. on DISPLAY.
- 3) Touch SENSOR PROBE to the object that wants to be measured. When want to use an alarm function, select from following A – D application. The initial SETTING TEMP. is 50°C. SETTING TEMP. can be changed by pressing "+" or "-" BUTTONS. Refer to "Sake's various serving temperatures chart" right side, and set your desired temperature in accordance with the chart. (Press button continuously for fast setting.
- SETTING TEMP. data can be stored even after power is turned off.

• When pressing "+" and "-" BUTTONS at the same time, SETTING TEMP. data will return to 50°C of the initial value as reset.

• If measured temperature is upper than or lower than SENSOR PROBE -50°C ~ +300°C use range DISPLAY is blinking.
- 4) After the measurement over, press "POWER" BUTTON to cut off the power.
- This product is having auto power off function. The power is automatically cut off after about 10 minutes from end of button operation, or about 60 minutes from the time alarm setting.

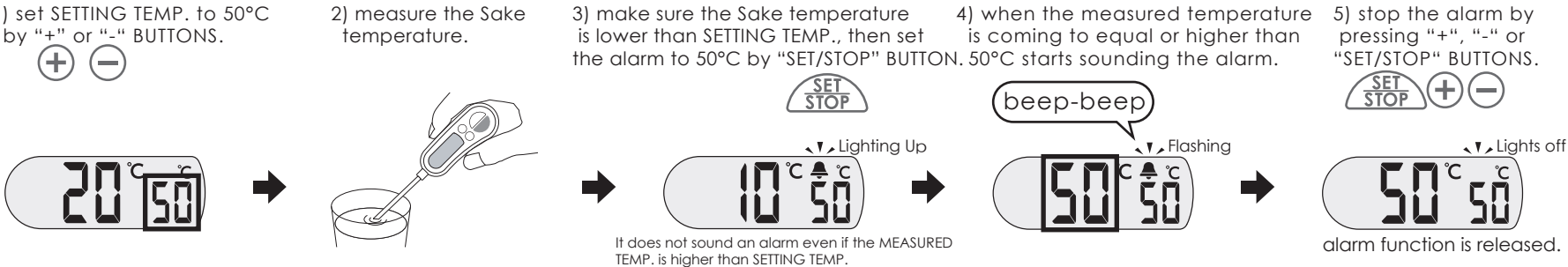
• The product dose not equip with a timer, so time error will be happened. Auto power off function time is reference only.

お酒の温度帯 Sake's various serving temperatures												
°C	5	10	15	20	30	35	40	45	50	55		
°F	41	50	59	68	86	95	104	113	122	131		
	雪冷え	花冷え	涼冷え	常温	日向燗	人肌燗	ぬる燗	上燗	熱燗	飛切燗		
	Yuki-hie	Hana-hie	Suzu-hie	Jo-on	Hinata-kan	Hito-hada-kan	Nuru-kan	Jo-kan	Atsu-kan	Tobikiri-kan		

A) How to sound the alarm when temperature is raised:

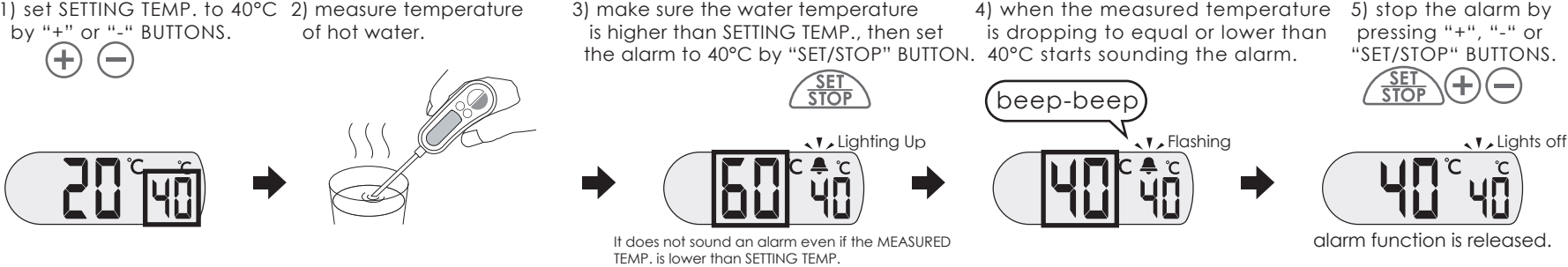
- For example: a) to alarm when reaching to desired Sake temperature by KANDO-KO warming pan.
- b) to confirm whether water temperature of KANDO-KO warming pan becomes desired temperature.
- c) Sake, just take out from a refrigerator and to see if it becomes suitable temperature for serving.

Example 1) When the Sake is 10°C and room temperature is 20°C. Want to sound when it becomes at 50°C.



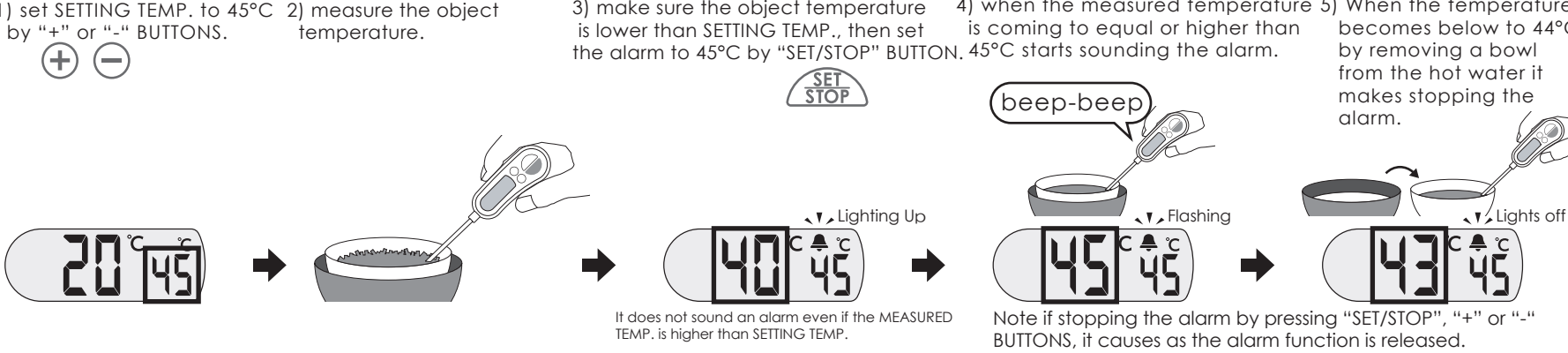
B) How to sound the alarm when the temperature drops:

Example 2) When the hot water is 60°C and room temperature is 20°C. Want to sound when it drops to 40°C.



C) How to sound the alarm when want to keep below a certain temperature:

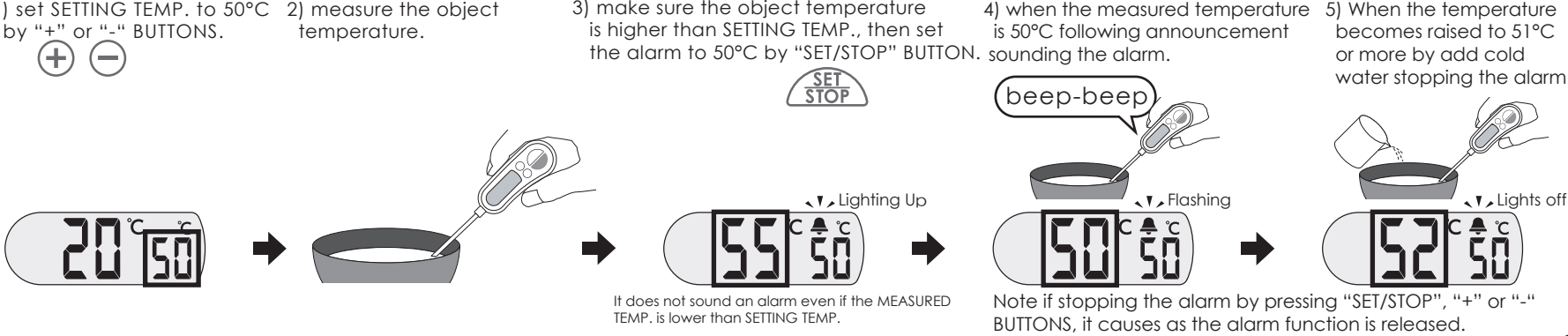
Example 3) When the measured product is 40°C and room temperature is 20°C. Want to keep to not 45°C or above.



Alarm sounding time is about 1 minute. If continues to sound the alarm more than one minute in 4) stage, the alarm stops while ALRM MARK is blinking. Measured temperature in this state is becoming to lower than SETTING TEMP. ALARM MARK is lit and an alarm mode will continue.

D) How to sound the alarm when want to keep higher a certain temperature:

Example 4) When the measured product is 55°C and room temperature is 20°C. Want to keep to not 50°C or lower.



Alarm sounding time is about 1 minute. If continues to sound the alarm more than one minute in 4) stage, the alarm stops while ALRM MARK is blinking. Measured temperature in this state is becoming to higher than SETTING TEMP. ALARM MARK is lit and an alarm mode will continue.

How to Care:

Do not wash the product. Wipe off dirty part with soft cloth. When the dirt is terrible, wipe off with a cloth putting neutral detergent on it. Discoloration may be happed if use of solvent, benzene, gasoline, kerosene, alcohol, or so on.