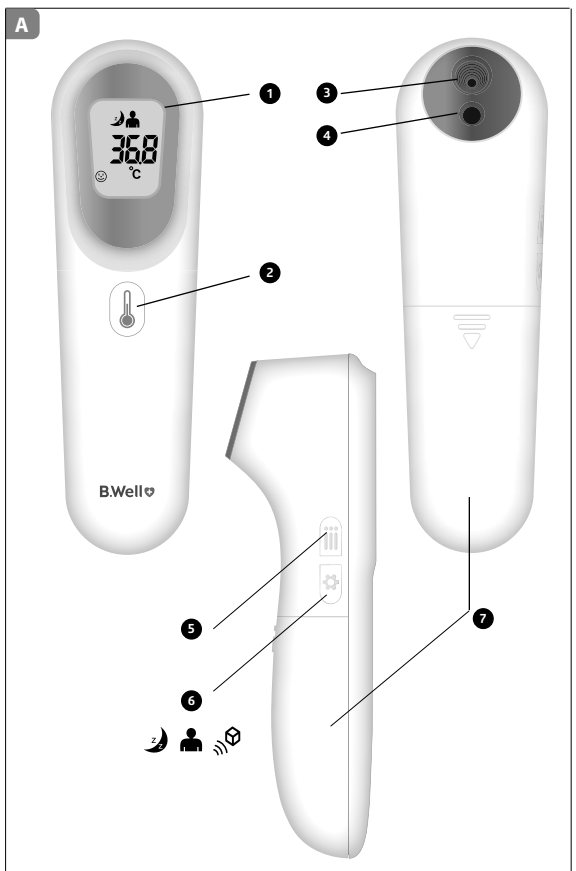
B.Well
Caring for everyone

TH-7000

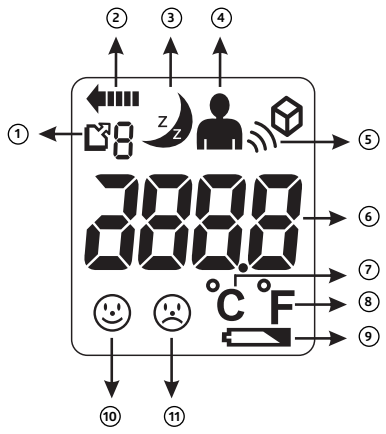
Non-contact infrared thermometer

B.WELL SWISS CONTROLLED

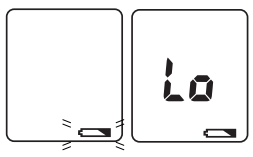
A



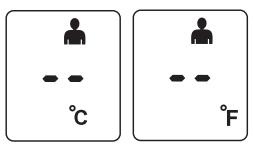
B



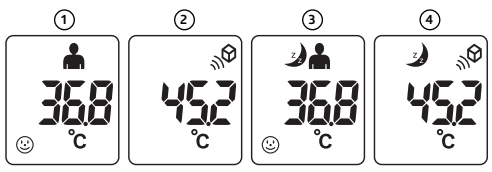
C



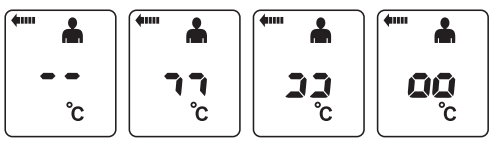
D



E



F



EMC TABLES

TH-7000 is intended for use in the electromagnetic environment specified below. The customer or the user of TH-7000 must make sure that it is used in such an environment.

Guidance and manufacturer's declaration – Electromagnetic emissions

Phenomenon	Professional healthcare facility environment a)	HOME HEALTHCARE ENVIRONMENT a)
Conducted and radiated RF EMISSIONS	a)	CISPR 11 Group 1 Class B
Harmonic distortion	Not applicable	
Voltage fluctuations and flickering	Not applicable	

a) The equipment is suitable for use in Home Health Environments and Professional Health Care Environments limited to patient rooms and respiratory treatment facilities in hospital or clinics. The more restrictive acceptance limits of Group 1 Class B (CISPR 11) have been considered and applied. The equipment is suitable for use in the mentioned environments when directly connected to the Public Mains Network.
b) The test is not applicable in this environment unless the ME EQUIPMENT and ME SYSTEM used will be connected to the PUBLIC MAINS NETWORK and the power input is otherwise within the scope of the Basic EMC standard.

Guidance and manufacturer's declaration – Electromagnetic immunity – Enclosure port

Phenomenon	Basic EMC standard or test method	Immunity test levels	
		Professional healthcare facility environment	HOME HEALTHCARE ENVIRONMENT
ELECTROSTATIC DISCHARGE	IEC 61000-4-2	± 8kV contact ± 2 kV, ±4kV ±, ±8 kV, ±15 kV air	
Radiated RF EM fields	IEC 61000-4-3	a)	10 V/m b) 80MHz – 2.7 GHz 80% AM at 1kHz
Proximity fields from RF wireless communications equipment	IEC 61000-4-3	COMPLIANT NOTE: Further information about distances to be maintained between portable and mobile RF communications equipment (transmitters) and the TH-7000 can be requested from AViTA using the contact information provided in this manual. However, it is advisable to keep the electromechanical aerosol equipment at an adequate distance of, at least, 0.5 m from mobile phones or other RF communications transmitters to minimise possible interference.	
RATED power frequency magnetic fields.	IEC 61000-4-8	30 A/m c) 50 Hz or 60 Hz	

a) The equipment is suitable for use in Home Health Environments and Professional Health Care Environments limited to patient rooms and respiratory treatment facilities in hospital or clinics. The more considered and applied.
b) Before modulation is applied.
c) This test level assumes a minimum distance of at least 15 cm between the ME EQUIPMENT or ME SYSTEM and sources of power frequency magnetic fields.

EN Instructions for use

⚠ PLEASE READ THIS INSTRUCTION MANUAL CAREFULLY BEFORE USING YOUR INFRARED THERMOMETER

1. INTRODUCTION

Dear consumer! We congratulate you with a B.Well infrared thermometer buying!
Thank you for choosing our product!

TH-7000 advantages include:

1. **3 in 1 thermometer** • Human body/ object/ ambient temperature
2. **One-second reading**
3. **Accurate and reliable**
4. **Distance sensor**
5. **Fever indication** • (Human Body Mode only)
6. **10-memory recall**
7. **Large LCD Display**
8. **°C/°F Switchable function**

2. INTENDED PURPOSE

The device is an infrared thermometer intended for the intermittent measurement of human body temperature in people of all ages.

3. PRECAUTIONS

When using this product, please be sure to follow all the notes listed below. Any action against these notices may cause injury or affect the accuracy.

1. Do not disassemble, repair, or remodel the thermometer.
2. Be sure to clean the thermometer lens each time after usage.
3. Avoid direct finger contact with the lens.
4. No modification of this equipment is allowed.
5. It is recommended that user may take 3 temperatures. If they are different, use the highest reading.
6. Do not expose the thermometer to extreme temperature, very high humidity, or direct sunlight.
7. Avoid extreme shock or dropping the device.
8. Before the measurement, patients and thermometer should stay in steady state room condition for at least 30 minutes.
9. Avoid measuring temperature in 30 minutes after exercise, bathing, or returning from outdoor.
10. To protect the environment, dispose of empty batteries at appropriate collection sites according to national or local regulations.
11. Please use the thermometer solely for its intended purpose.
12. There are no absolute body temperature standards. Keep reliable records of your personal temperature to serve as a reference for judging a fever.

⚠ **Under any circumstances, the temperature taking result is ONLY for reference. Before taking any medical action, please consult your physician.**

4. CONTRAINDICATIONS

⚠ **Contraindications:** are not revealed.

5. PRODUCT IDENTIFICATION

See Pic. A

1. LCD Display
2. Measure button
3. Measurement Sensor
4. Distance Detection Sensor
5. Memory Button
6. Mode Button
7. Battery Cover

6. DESCRIPTION OF LCD DISPLAY

See Pic. B

1. Memory Symbol and sets of records
2. Measuring sequence in process
3. Night Mode (Mute Mode)
4. Human Mode
5. Object Mode
6. Degrees of temperature
7. Celsius Scale
8. Fahrenheit Scale
9. Low battery indicator
10. Smiling Face (temperature is lower than 38°C or 100.4°F)
11. Frowning Face (temperature is equal or higher than 38°C or 100.4°F)

7. WHAT IS A "NORMAL" TEMPERATURE?

Infrared forehead temperature readings are equivalent to oral temperature readings. The norm is from 35,5°C to 37,3°C.

8. BATTERY INSTALLATION/ REPLACEMENT

Low battery warning:

When the battery power becomes low, the low battery symbol , will appear on the display. The thermometer can still be used during this time, but the batteries should be replaced as soon as possible. If the batteries run out completely, "Lo" will be displayed along with the low battery symbol . **See Pic.** C
In this case, the batteries will need to be replaced before using the thermometer again.

Replacing the Battery:

1. Gently slide the battery cover back.
2. Carefully remove the old batteries and properly discard.
3. Insert new batteries (two 1.5V alkaline AAA (LR03) size) according to the proper polarity.
4. Slide the battery cover back on.

ⓘ **NOTE:** Battery-operated

1. Please properly dispose of the batteries away from small children and heat.
2. It is recommended to remove the batteries if the unit will not be used for an extended period of time.
3. Dispose of used batteries in accordance with the applicable legal regulations. Never dispose of batteries in the normal household waste.

9. SWITCHING BETWEEN FAHRENHEIT AND CELSIUS

This thermometer can display results in either degrees Celsius (°C) or degrees Fahrenheit (°F).

1. Press the **Power button** to turn the thermometer on.
2. Press and hold both the **Mode** and **Memory buttons** for approximately 3 seconds. This will change the mode to either °C or °F. Once the thermometer beeps, the unit is ready for measurement. **See Pic.** D

ⓘ **NOTE:** To switch the mode again, wait until the unit beeps and then press and hold both the **Mode** and **Memory buttons** until the mode switches to either °C or °F.

10. SWITCHING BETWEEN 4 KINDS OF MEASURING MODE

1. Under power on status, you can press the **Human/Object button** to switch different measuring mode. There are 4 kinds of mode which including **Human, Object, Human/ Night,** and **Object/Night Mode** (in order).
2. The beep sounds will be off (mute) when your choice in **Human/Night Mode,** and **Object/Night Mode**, and the Moon symbol will appears on the LCD in both Night Modes.
   Human Mode • See Pic. E-①
   Object Mode • See Pic. E-②
   Human Mode & Night Mode • See Pic. E-③
   Object Mode & Night Mode • See Pic. E-④

ⓘ **NOTE:** Each press will comes with a beep sound to ensure the setting is activated. (Except both Night Modes)

11. MEASURING HUMAN TEMPERATURE

Tips for measuring human temperature

Bear in mind that the thermometer needs to have been in the room in which the measurement is taken for at least 30 minutes before use.

ⓘ **NOTE:** Attempting to take temperature readings from sites on the body other than the forehead may produce inaccurate results.

If the patient's skin is covered with hair, sweat, or dirt, clean the area and wait 10 minutes before taking a measurement.
Ensure that the thermometer is held firmly during measurement and that the patient does not move until the measurement is complete. Movement can impact the measurement.
Readings taken while asleep should not be compared directly to readings taken while awake, as body temperature while asleep is typically lower. Do not take body temperature readings within 30 minutes of being outdoors, exercising or bathing.

Measuring Human Temperature

Taking a Measurement

1. Press the **Measure button** to turn the thermometer on. The unit will run a self-test and the LCD will briefly display all of its symbols during this time. When the device is ready, 00 will appear on the screen, and the thermometer is ready to take a measurement.
2. Select the desired mode by pressing and releasing the **Human/Object Button**. When taking a patient's temperature, ensure that the thermometer is in **Human Mode**; the Human symbol will appear on the display. Choose the **Night Measurement Mode** to turn off beeps while measuring the temperature (e.g. at night).
3. Position the thermometer under 3 cm (around 1 inch) from the center of the patient's forehead with the sensor aimed between the eyebrows.
4. Press and release the **Measure Button**. Slowly move the device toward or farther from the forehead until you have reached the correct distance. (If the distance is beyond the correct distance, the dash-icon on the display flashes with beep sound in this sequence until the correct distance is achieved). **See Pic.** F

ⓘ **NOTE:** When the user presses the **Measure Button**, this workflow begins and they require time for device to capture the temperature. After capture the temperature, the display turns to stand-by mode.

5. As you hear a short beep means this temperature reading has been completed and accompany with a back-light.
6. If the temperature measurement is below 38°C, a "Smiling Face" ☺ will appear next to the reading. If the reading is 38°C or above, a "Frowning Face" ☹ will be displayed and the LED light up to alert. Fever Alarm: Only in **Human Mode** and **Human/Night Mode**.
7. After about 60 seconds after use, the thermometer will automatically beep and shut off.

12. MEASURING OBJECT/ LIQUID TEMPERATURE

Taking a Measurement

1. Press the **Measure Button** to turn the thermometer on. The unit will run a self-test and the LCD will briefly display all of its symbols during this time. When the device is ready, 00 will appear on the screen, and the thermometer is ready to take a measurement.
2. Select the desired mode by pressing and releasing the **Human/Object Button**. Ensure that the thermometer is in Object Mode; the Object symbol will appear on the display. Choose the **Night Measurement Mode** to turn off beeps while measuring the temperature (e.g. at night).
3. Position the thermometer under 3 cm (around 1 inches) from the object.
4. Release the **Measure Button**. You will hear a short beep indicating that the measurement has been taken. The recorded temperature is displayed on the screen.
5. After about 60 seconds after use, the thermometer will automatically beep and shut off.

13. MEMORY FUNCTION

Memory Recall:

You can recall up to 10 measurements currently stored in memory to share with your physician or trained healthcare professional.

1. When the device is on, press once briefly on the **Memory Button**, then pass it again to show the last measurement accompanied by symbol.
2. The symbol or symbol will appear with each measurement stored in memory to indicate whether a person or object temperature was taken.
3. Each press of the same button recalls a previous measurement.

Memory Deletion:

1. Under power on status, you may hold press the **Memory button** to delete all the readings.
2. The LCD shows with one beep sound to indicate that all memories are cleared.
3. Remove batteries, memory will be cleared.
   Automatically on the 11st measurement: when the 10 memories have been used up, any new measurement will be recorded and the oldest memory deleted without you having to do anything.

ⓘ **NOTE:** All the readings will be cleared no matter record in **Human Mode** or **Object Mode**.

14. CLEANING INSTRUCTIONS

For home use device disinfection, 75% alcohol (available in the pharmacy) can be used.
Gently clean with an alcohol swab. Do not use water to wash the thermometer lens directly.

Thermometer:

Use a soft, dry cloth to clean thermometer body. Never use abrasive cleaning agents, thinners or benzene for cleaning. Do not scratch the surface of the probe lens or the display. Do not expose the thermometer to extreme temperatures, humidity, direct sunlight, or shock.

15. TROUBLESHOOTING

When a malfunction or incorrect temperature measurement occurs, an error message will appear as described below.

LCD Display	Cause	Solution
Hi	The temperature measured is higher than **1. Human thermometer mode:** 43°C (109.4°F) **2. Object temperature mode:** 100°C (212.0°F)	Operate the thermometer only between the specified temperature ranges. If necessary, clean the sensor tip. In the event of a repeated error message, contact your retailer or Customer Services
Lo	The temperature measured is lower than **1. Human thermometer mode:** 34°C (93.2°F) **2. Object temperature mode:** 0°C (32°F)	
Err	The operating temperature is not in the range 15°C~40°C (59°F~104°F)	Operate the thermometer only between the specified temperature ranges.

16. APPLIED STANDARDS

This product conforms to the provisions of the EC directive MDD(93/ 42/ EEC).
The following standards apply to design and/or manufacture of the products:

- **ISO 80601-2-56** Medical electrical equipment – Part 2-56: Particular requirements for basic safety and essential performance of clinical thermometers for body temperature measurement
- **IEC/EN 60601-1** Medical electrical equipment – Part 1: General requirement for safety
- **IEC/EN 60601-1-2** Medical electrical equipment – Part 2: Collateral standard: Electromagnetic compatibility – Requirements and tests
- **IEC/EN 60601-1-11** Medical electrical equipment — Part 1-11: General requirements for basic safety and essential performance — Collateral standard: Requirements for medical electrical equipment and medical electrical systems used in the home healthcare environment

17. PRODUCT SPECIFICATIONS

Measuring range:	
Human Body:	34°C~43°C (93.2°F~109.4°F)
Object:	0°C~100°C (32.0°F~212.0°F)
Calibration Accuracy:	
Human Body:	34°C~43°C (93.2°F~109.4°F): ±0.2°C (±0.4°F)
Object:	< 40°C ± 2°C; ≥40°C ± 5%
Operating environment:	15°C~40°C (59°F ~ 104°F) with relative humidity up to 95% (non condensing)
Storage/ Transportation environment:	-25 to 55 °C (-13 ~ 131°F) with relative humidity up to 95% (non condensing)
Display resolution:	0.1°C
Operation Distance:	~ 3 cm
Power supply:	2 x 1.5V AAA size alkaline batteries
Dimensions:	141 mm × 42 mm × 42.4 mm (W × D × H)
Weight:	120g (with batteries)

18. THERMOMETER SET

1. Thermometer
2. Battery 2 x 1.5V AAA size alkaline batteries
3. Soft bag
4. Instructions for use

19. UTILIZATION

The unit must be utilized in accordance with current standards separately from domestic wastes.
For utilizing it is necessary to contact special organizations licensed to make utilization.

20. WARRANTY

Warranty period is 2 years from the date of purchase. This warranty doesn't cover any damages caused by improper using, and also battery, protective cover and packaging.
When a manufacturing defect is revealed during the warranty period a faulty unit would be repaired or, if repairing is impossible, replaced with another one.
Manufacturing date is under the battery cover of the unit in a serial number: last 2 figures of the year, then month number.
The manufacturer may change units partially or completely if necessary, without prior notice.

21. SYMBOL INFORMATION

	READ INSTRUCTIONS BEFORE USE		DISPOSAL FOR SEPARATE COLLECTION
IP22	HOUSING INGRESS PROTECTION RATE: IP 22 (Protected from the penetration of solid bodies with dimension greater than 12.5 mm. Protected from the penetration of vertically falling water drops)	CE 0044	CE CERTIFICATION (0044)
	MANUFACTURER	40°C / 15°C OPERATION CONDITION	OPERATING CONDITION, TEMPERATURE 15°C ~ 40°C
REF	ARTICLE NUMBER	55°C / -25°C STORAGE CONDITION	STORAGE CONDITION, TEPERATURE -25°C ~ 55°C
SN	SERIAL NUMBER	UDI	UNIQUE DEVICE IDENTIFICATION
	TYPE BF EQUIPMENT	EC REP	EC REPRESENTATIVE
MD	MEDICAL DEVICE		

Last revision 2022-W13

B.Well Swiss AG
Bahnhofstrasse 24, 9443 Widnau, Switzerland
www.bwell-swiss.ch

B.Well
Caring for everyone

IM_TH-7000_EN_for_3522