

## WF-5000

Non-contact infrared thermometer  
Termometru cu infraroșu fără contact  
Bezdotykowy termometr na podczerwień  
Авѳапо веріо́метрo итѳрарѳрв  
Медицински електронен инфрачервен термометър  
Термометр медицинский электронный инфракрасный



### EN Instructions for use

#### 1. INTRODUCTION

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

#### WF-5000 advantages include:

- 3 in 1 thermometer**  
Human Body/Object/ambient temperature
- Fever alarm**  
Human Body Mode only
- 10-memory Recall**
- Large LCD Display**  
Equipped with a large LCD display, results are easy to read.
- Indicator of the correct device position.**

#### 2. INTENDED PURPOSE

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

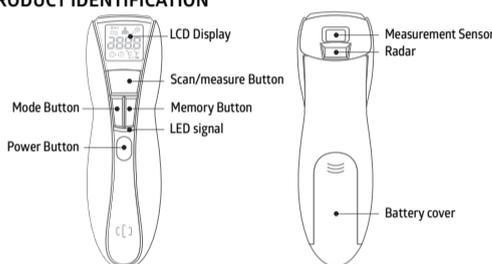
#### 3. PRECAUTIONS

- 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.
- Do not disassemble, repair, or remodel the thermometer.
  - Be sure to clean the thermometer lens each time after usage.
  - Avoid direct finger contact with the lens.
  - No modification of this equipment is allowed.
  - It is recommended that user may take 3 temperatures. If they are different, use the highest reading.
  - Do not expose the thermometer to extreme temperature, very high humidity, or direct sunlight.
  - Avoid extreme shock or dropping the device.
  - Before the measurement, patients and thermometer should stay in steady state room condition for at least 30 minutes.
  - Avoid measuring temperature in 30 minutes after exercise, bathing, or returning from outdoor.
  - To protect the environment, dispose of empty batteries at appropriate collection sites according to national or local regulations.
  - It is ill-advised to disassemble the thermometer.
  - Please use the thermometer solely for its intended purpose.
  - Carefully hold the device when in use to avoid dropping the device.
  - Allow one minute between successive measurements as slight variations may occur if measurements are taken over a short period of time.
  - 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.

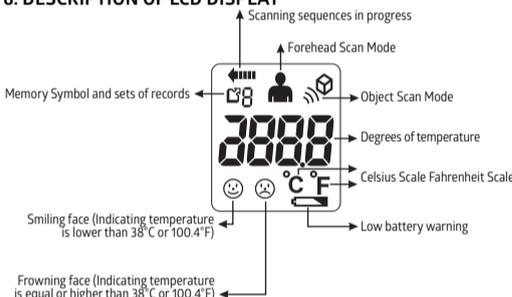
#### 4. CONTRAINDICATIONS

⚠ **Contraindications:** are not revealed.

#### 5. PRODUCT IDENTIFICATION



#### 6. DESCRIPTION OF LCD DISPLAY



#### 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 symbol appears on the screen, the batteries will need to be replaced soon. When the letters "Lo" and the battery symbol appears on the display, the batteries need to be replaced before taking another measurement. Rechargeable batteries are okay to use in this thermometer.

##### Replacing the Battery:

- Gently slide the battery cover back.
- Carefully remove the old batteries and properly discard.
- Insert new batteries (Two 1.5V alkaline AAA Size) according to the proper polarity.
- Slide the battery cover back on.

##### NOTE:

- Please properly dispose of the batteries away from small children and heat.
- It is recommended to remove the batteries if the unit will not be used for an extended period of time.
- 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

- Press the Power button turn the thermometer on.
- 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.

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 TWO KINDS OF SCAN MODE

Under power on status, you can press the "Mode" button to switch to different scan mode. There are 2 kinds of mode which including Human, Object.

NOTE: Each press will comes with a beep sound to ensure the setting is activated.

#### 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.
- The patient should remain still while the reading is being taken.
- Infrared forehead temperature readings are equivalent to oral temperature readings. In all of these cases, please consult your doctor.
- 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.

- Press the "Power button" to turn the thermometer on. The unit will run a self-test and all symbols on the display will momentarily appear.
- Ensure that the thermometer is in Human mode; the Human symbol will be on the display. To alternate between modes press and release the "Mode button" until you see the desired measurement symbol on the display.
- Aim the front of the thermometer at the person's forehead. Hold the thermometer approximately 4-6cm away from the forehead.
- While continuing to press the "Scan/measure button", slowly move the thermometer toward or away from the forehead until the thermometer is "continuously beeping" and the LED light flashes.

NOTE: The "beeping" indicates that the distance required for the measurement is correct.

- Once the thermometer is consistently and continuously beeping, release the "Scan/measure button". Then you hear a "short beep" indicating that the measurement has been taken. The temperature is displayed for 3 seconds.
- After about 60 seconds after use, the thermometer will automatically beep and shut off.

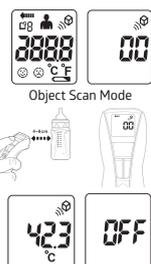
#### The Readings:

- Only in Human Mode, a smiley face will be shown on the display to indicate a temperature lower than 38.0°C (100.4°F). If the temperature is equal or higher than 38.0°C (100.4°F), you will see a frowning face on the display accompanied by 1 short beep.
- All the results displayed in Human mode are more or less the same as an oral temperature.

#### 12. MEASURING OBJECT/LIQUID TEMPERATURE

##### Taking the Temperature of an Object:

- Press the "Power button" to turn the thermometer on. The unit will run a self-test and all symbols on the display will momentarily appear.
- Ensure that the thermometer is in Object mode; the Object symbol will be on the display. To alternate between modes press and release the "Mode button" until you see the desired measurement symbol on the display.
- Aim the front of the thermometer at the object. Hold the thermometer approximately 4-6cm away from the object.
- Press and hold the "Scan/measure button".
- Release the "Scan/measure button". The temperature is displayed for 3 seconds.
- 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 plus an average of all currently stored measurements in memory to share with your physician or trained healthcare professional.

- When the device is on, press once briefly on the "Memory button", then pass it again to show the last measurement accompanied by symbol.
- The symbol or symbol will appear with each measurement stored in memory to indicate whether a person or object temperature was taken.
- Each press of the same button recalls a previous measurement, so then all the way to 9.

##### Memory Deletion:

- Under power on status, you may keep press the "Memory button" for more than 3 seconds to delete all the readings.
- The LCD shows and "4 short beeps sound" to indicate that all the memories are cleared.
- Automatically on the 11th measurement: when the 10 memories have been used up, any new measurement will be recorded with and the oldest memory deleted without you having to do anything.

NOTE: All the readings will be cleared no matter record in person mode or object mode.

#### 14. CLEANING INSTRUCTIONS

##### Measurement sensor and Radar:

Gently clean with an alcohol swab. Do not use water to wash the thermometer lens directly.

##### Thermometer:

Clean with a soft, dry cloth. Do not use water to rinse the device.



#### 15. TROUBLESHOOTING

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

LCD Display	Cause	Solution
H <sub>i</sub>	The temperature measured is higher than 1. Human thermometer mode: 42°C (107.6°F) 2. Object temperature mode: 100°C (212.0°F)	Operate the thermometer only between the specified temperature ranges
Lo	The temperature measured is lower than 1. Human thermometer mode: 35°C (95.0°F) 2. Object temperature mode: 0°C (32.0°F)	If necessary, clean the sensor tip. In the event of a repeated error message, contact your retailer or Customer Services
Err	The operating temperature is not in the range 15°C-35°C (59°F to 95.0°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

#### 17. PRODUCT SPECIFICATIONS

Measuring range:	Human Body: 35°C-42°C (95.0°F-107.6°F) Object: 0°C-100°C (32.0°F-212.0°F)
Calibration Accuracy:	Human Body: 35°C-42°C : ± 0.2°C (95.0°F-107.6°F : ± 0.4°F) Object: <40°C ± 2°C; ≥40°C ± 5%
Operating environment:	with relative humidity up to 95% (non condensing).
Storage/Transportation environment:	-25°C-55°C (-13°F-131°F) with relative humidity up to 95% (non condensing).
Display resolution:	0.1°C
Operation Distance:	4-6 cm
Power supply:	2 × 1.5V AAA size alkaline batteries
Dimensions:	141 mm × 42 mm × 55.5 mm (W × D × H)
Weight:	±120g (with batteries)

#### 18. THERMOMETER SET

##### Thermometer set:

- Thermometer
- Battery 2 x 1.5V AAA size alkaline batteries
- Soft bag
- Instructions for use

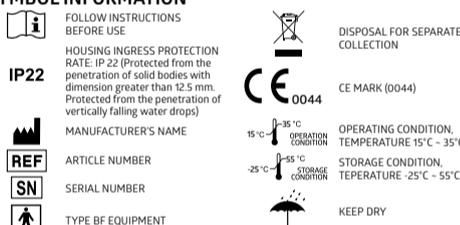
#### 19. UTILIZATION

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



#### ELECTROMAGNETIC COMPATIBILITY INFORMATION

Guidance and manufacturer's declaration – electromagnetic emissions

The WF-5000 Thermometer is intended for use in the electromagnetic environment specific below. The customer or the user of the WF-5000 Thermometer should assure that it is used in such an environment.

Emissions test	Compliance	Electromagnetic environment-guidance
RF emissions CISPR 11	Group 1	The WF-5000 Thermometer uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.
RF emissions CISPR 11	Class B	The WF-5000 Thermometer is suitable for use in all establishments, including domestic establishments and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.
Voltage fluctuations/ flicker emissions IEC 61000-3-3	Not applicable	

#### Guidance and manufacturer's declaration – electromagnetic immunity

The WF-5000 Thermometer is intended for use in the electromagnetic environment specific below. The customer or the user of the WF-5000 Thermometer should assure that it is used in such an environment.

Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment-guidance
Electrostatic discharge (ESD) IEC 61000-4-2	± 6 kV contact ± 8 kV air	± 6 kV contact ± 8 kV air	Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%.
Power frequency (50/60 Hz) magnetic field IEC 61000-4-8	3 A/m	3 A/m	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.
Radiated RF IEC 61000-4-3	3 V/m 80 MHz to 2.5 GHz	3 V/m	Portable and mobile RF communications equipment should be used no closer to any part of the WF-5000 Thermometer, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter. Recommended separation distance d=1.2√P d=1.2√P 80 MHz to 800 MHz d=2.3√P 800 MHz to 2.5 GHz where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and d is the recommended separation distance in metres (m). Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey, should be less than the compliance level in each frequency range. Interference may occur in the vicinity of equipment marked with the following symbol.

NOTE 1 At 80 MHz and 800 MHz, the higher frequency range applies.

NOTE 2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

a. Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the WF-5000 Thermometer is used exceeds the applicable RF compliance level above, the WF-5000 Thermometer should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as reorienting or relocating the WF-5000 Thermometer.

b. Over the frequency range 150 kHz to 80 MHz, field strengths should be less than 3 V/m.

#### Recommended separation distances between portable and mobile RF communications equipment and the WF-5000 Thermometer

The WF-5000 Thermometer is intended for use in the electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of the WF-5000 Thermometer can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the WF-5000 Thermometer as recommended below, according to the maximum output power of the communications equipment.

Rated maximum output power of transmitter W	Separation distance according to frequency of transmitter m		
	150 kHz to 80 MHz d=1.2√P	80 MHz to 800 MHz d=1.2√P	800 MHz to 2.5 GHz d=2.3√P
0.01	0.12	0.12	0.23
0.1	0.38	0.38	0.73
1	1.2	1.2	2.3
10	3.8	3.8	7.3
100	12	12	23

For transmitters rated at a maximum output power not listed above, the recommended separation distance d in meters (m) can be estimated using the equation applicable to the frequency of the transmitter, where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer.

NOTE 1 At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies.

NOTE 2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.