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Caring for everyone

B.WELL

SWISS

WF-1000

Infrared Ear/Forehead Thermometer

Termometru cu infraroșu pentru ureche/frunte Termometr na podczerwień do pomiaru w uchu i na czole Θερμόμετρο υπερύθρων για αυτί/μέτωπο Инфрачервен термометър за ухо/чело

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!

- 1) 2 in 1 unique design: it can take ear temperature and forehead temperature., i.e. one for two functions.
- Instant measurement: it provides you the reading in seconds.
 Convenient, economic, probe cover free, waterproof probe and easy to clean.

2. INTENDED PURPOSE

Infrared thermometers are used for measuring body temperature by measuring the heat generated by the eardrum or the surface skin of the forehead.

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.

- b) the second provide that user may take a temperatures in they are dimerent, use the highest reading.
 c) Do not expose the thermometer to extreme temperature, very high humidity, or direct sunlight.
 c) Avoid extreme shock or dropping the device.
 c) Before the measurement, patients and thermometer should stay in steady state room condition for at least 30 minutes.
 c) Avoid extremesting temperature is 20 minutes.
- 9. Avoid measuring temperature in 30 minutes after exercise, bathing, or returning
- from outdoor.

- from outdoor. 10. To protect the environment, dispose of empty batteries at appropriate collection sites according to national or local regulations. 11. It is ill-advised to disassemble the thermometer. 12. Please use the thermometer solely for its intended pur- pose. 13. Carefully hold the device when in use to avoid dropping the device. 14. Allow one minute between successive measurements as slight variations may occur if measurements are taken over a short period of time. Use average temperatures instead. 15. There are no absolute body temperature standards. Keep reliable records of your
- 15. There are no absolute body temperature standards. Keep reliable records of your Instruction of the second secon

4. CONTRAINDICATIONS Contraindications: are not revealed

5. PRODUCT IDENTIFICATION DISPLAY

6. DESCRIPTION OF LCD

Forehead Scan Mode

Temperature Display

Ear Scan Mode

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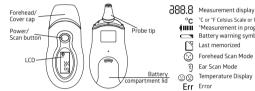
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Err Error

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35.5 - 37.3



7. WHAT IS A "NORMAL" TEMPERATURE?

Infrared forehead temperature readings are equivalent to oral temperature readings MEASURING METHODS NORM

Ear measurement Forehead measurement

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 **ONOTE:**

- Some people produce different readings in their left and right ear. In order to record
- Some people produce intervent readings in their fert and ingite al. in other to fector temperature changes, always measure a person's temperature in the same ear.
 The ear thermometer may be used by children only under adult supervision. Measurement is usually possible over the age of 6 months. In infants under 6 months, the ear canal is still very narrow so the temperature of the ear- drum often cannot be recorded and the result displayed is often too low.
 The measurement must not be taken in an ear affected by inflammatory diseases (e.g. discretions earch, tion) after nossible ear invirus (e.g. earch run drame).
- The measurement must not be taken in an end an effected by initializing of your admage) or in the healing period after operative procedures. In all of these cases, please consult your doctor. Use of the thermometer on different persons can be inappropriate in the event of certain acute infectious diseases because of the possible spread of germs despite cleaning and disinfection. If you have any doubts, please consult your doctor. This thermometer may only be used without a disposable protective cover the thermometer may only be used without a disposable protective cover.
- This thermometer may only be used without a disposable protective cover. If you have been lying on one ear for some time, the tem- perature is slightly raised. Wait a little while or measure in the other ear. As ear wax can affect the measurement, you should clean the ear before measuring
- if necessary.

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8. HOW TO TAKE YOUR TEMPERATURE

To switch from ear scan mode to forehead scan

The switch from each mode to forehead stand mode, simply take off the Cover cap. To switch from forehead scan mode to ear scan mode, put on the Cover cap again. It is recommended to use your thumb to pull from either side of the Cover cap to remove it easily. "When taking the forehead temperature, the reading is provided for reference only because the condition of skin is likely affected by the surroundings.

- Measuring body temperature in the ear 1) Press the Power/ Scan button for 1 second to switch the thermometer on. Following a successful self test, the device omits a heap
- a) Make sure that the sensor tip and also the ear canal are clean.
 As the ear canal is slightly curved, you have to pull the ear sightly up and backwards before inserting the sensor tip. This is important so that the sensor tip can be pointed directly at the eardrum
- 3) Insert the sensor tip into ear canal carefully and then press the Power/Scan button for 1 second and release
- A) The end of the measuring time is signaled with a short beep and the measured value appears on the display.

Measuring body temperature on the forehead 1) Plea

- 3. Replace with a lithium 3V CR2032 battery in designated area. The larger part of the battery should be facing up You should still be able to see the "+" sign when battery is installed
- 4. Slide the cover back on. Unit is ready for immediate use. Dispose of used batteries in accordance with the applicable legal regulations. Never dispose of batteries in the normal household waste.
- **NOTE:** Please keep the battery away from children. Do not store the battery at a high temperature.

11. TROUBLESHOOTING

1. Consistent low temperature readings.

- The Probe is not positioned properly. The probe tip must be snugged and fully seated against the opening of the ear canal. Failure to properly position the probe may lead to a low temperature reading (see "How to take your temperature" part).
 The Probe lens is dirty. Clean the lens with a piece of soft, alcohol-moistened cotton cloth thoroughly (see "Cleaning instructions" part).

2. Low battery warning.
 Battery power is too low to take the measurement. Replace the battery (see "Battery replacement" part).

3. Error codes

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

LCD Display	Cause	Solution	
Х,	The temperature measured is higher than 42°C (107.6°F)	Operate the thermometer only between the specified temperature ranges. If necessary, clean	
Lo	The temperature measured is lower than 35°C (95°F)	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~95°F)	Operate the thermometer only between the specified temperature ranges	

12. APPLIED STANDARDS

This product conforms to the provisions of the EC directive MDD (93/42/ EEC).The following standards apply to design and/or manufacturing 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
- Medical electrical equipment Part 1: General requirement for safety

 EC/EN 60601-1-2
- Medical electrical equipment Part 2: Collateral standard: Electromagnetic compatibility Requirements and tests

13. PRODUCT SPECIFICATIONS

Measuring range Calibration accuracy

Display resolution Operating environment

Storage / Transportation environment

Power supply Weight Dimensions Additional Features

Human Body: $35^{\circ}C - 42^{\circ}C (95^{\circ}F - 107.6^{\circ}F)$ +/- $0.2^{\circ}C (+/- 0.4^{\circ}F)$: $35^{\circ}C - 42^{\circ}C (95^{\circ}F - 107.6^{\circ}F)$ $0.1^{\circ}C$ 15^{\circ}C - $35^{\circ}C (59^{\circ}F - 95^{\circ}F)$ with relative humidity up to 95° (non condensing). $-25^{\circ}C - 55^{\circ}C (-13^{\circ}F - 131^{\circ}F)$ with relative humidity up to 95° (non condensing). 1 * 3V CR2032 Size Lithium Battery -5fg (with batteries)- $10 \times 34 \times 50mm (W \times D \times H)$ 1. POST (Power-On-Self-Test) 2. Scanning Mode: continuous scanning. automatic latch of maximum temperature reading. reading. 3. Out of operating temperature (Lo/HI) Indication.

- Low battery power checking.
 Waterproof lens and probe cover free.
- **14. THERMOMETER SET**
- Thermometer set: Thermomete
- 2. Battery 1 × CR2032 LI, 3V 3. Instructions for use

15. UTILIZATION

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

16. WARRANTY

Warranty period is 2 years from the date of purchase. This warranty doesn't cover any damages caused by improper us-ing, 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 on of the unit in a serial number:

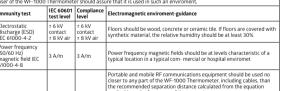
last 2 figures of the year, then month number. The manufacturer may change units partially or completely if necessary, without prior notice.

17. SYMBOL INFORMATION



ELECTROMAGNETIC COMPATIBILITY INFORMATION

				nagnetic enviroment specific below. The customer or the ed in such an enviroment.	
Emissions test				Electromagnetic enviroment-guidance	
RF emissions CISPR 11		Grou	ир 1	The WF-1000 Thermometer uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference nearby electronic equipliment	
RF emissions CISPR 11		Clas	s B	The WF-1000 Thermometer is suitable for use in all establishments, including domestic establishments	
Harmonic emissions IEC 61000-3-2		2 Not	applicable	and those directly connected to the public low-voltage	
Voltage fluctuations/ flicker emissions IEC 61000-3-3		sions Not	applicable	power supply network that supplies buildings used for domestic purposes	
Gui	dance a	nd manufac	turer's decla	ration – electromagnetic immunity	
				nagnetic enviroment specific below. The customer or the ed in such an enviroment,	
Immunity test	60601	Compliance	Flectromagne	tic enviroment-guidance	







"C or "F Celsius Scale or Fahrenheit Scale "Measurement in progress" symbol Battery warning symbol Last memorized

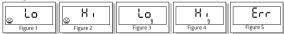
Please note that the forehead/temples must be free from sweat and cosmetics and that taking medication and skin irritations can distort the result when measuring temperature on the forehead. 2) Make sure that the Forehead/Cover cap is put on. Press the Power/



36,5°

- Scan button for 1 second to switch the thermometer on. Following a successful self test, the device emits a been
- 3) Place the measuring head with the Forehead/Cover cap fitted on the temples, hold on the Power/Scan button and move the thermometer smoothly over the forehead to the other temple. 4) Release the button. The end of the measuring time is sig- nalled with a short beep
- and the measured value appears on the display

The screen displays "Lo" or "Hi" when the temperature measured is out of the measurement range. (See Figure 1, 2, 3, 4). The mark "Err" appears if the operating temperature is NOT within 15°C (59°F) and 35°C (95°F).



To ensure a long battery life, this thermometer will be automatically power-off after every one minute idling

9. CLEANING INSTRUCTIONS

Lens/ Measurement Sensor:

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



36.8°

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Thermometer:

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

10. BATTERY REPLACEMENT

The low battery symbol will be shown at the lower part of the screen during the low battery power. Replace the battery as soon as possible.

However, you may continue to use it (see Figure 6). When the battery power comes to the bowest value, the screen displays a 'Lo' sign, the battery symbol on the screen blinks and beep sounds are triggered (see Figure 7). It cannot work until the battery is replaced. At this moment, press any button to turn it off.

O NOTE:

 When changing the batteries, use batteries of the a same type, make and capacity.
Do not use rechargeable batteries
Use batteries free from heavy met



To replace the battery:

- 1. Open the battery case by sliding off the cover on the back of the unit. 2. Remove used battery.

	Radiated RF IEC 61000-4-3	3 V/m 80 MHz to 2,5 GHz	3 V/m	applicable to the frequency of the transmitter. Recommended separation distance d+12/P BOD MHz to 800 MHz d+12/P BOD MHz to 800 MHz d+12/P BOD MHz to 800 KHz d+2.8/P BOD MHz to 25.5 GHz where P is the maximum output power rating of the ransmitter 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 surveya, should be less than the compliance level in each frequency rangeb. Interference may occur in the vicinity of equipment marked with the following symbol: ¹⁰ / ¹⁰ / ¹⁰ / ¹⁰
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NOTE 1At 80 MHz and 800 MHz the higher frequency range applies. NOTE 1 ht 80 MHz and 800 MHz the higher frequency range applies. NOTE 2 These guidelines may not apply in all stuations. Electromagnetic propagation is affected by absorption and reflection from structures, bytext and people. a. Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land m radios, amateur radio, Ama del Phanib broadcast and TV broadcast atomote be predicted theoretically with accura To assess the electromagnetic environment due to fixed BF transmitters, an electromagnetic site survey should be considered. If the measure find strength in the location in which the WF-1000 Thermometer is used exceeds the applicable FF complance level above, the WF-1000 Thermometer should be observed to verify normal operation. WF-1000 Thermometer, long or relacing the WF-1000 Thermometer is used exceeds the wF-1000 Thermometer.

WF-1000 I hermometer. 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-1000 Thermometer

The WF-1000 Thermometer is intended for use in an electromagnetic environment in which radiated RF disturbanc are controlled. The customer or the user of the WF-1000 Thermometer can help prevent electromagnetic interforer by maintaining an imimum distance between portable and mobile RF communications equipment (transmit-terg) the WF-1000 Thermometer as recommended below, according to the maximum output power of the communications equipment transmit-

Rated maximum	Separation distance according to frequency of transmitter m				
output power of transmitter W	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		

ed separation distance d in meters

(m) can be estimated using the equation applicable to the frequency of the transmitter where P is the maximum ou power rating of the transmit-re in words (W) according to the transmitter manufacturer. NOTE 1 As 80 MHs 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.

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