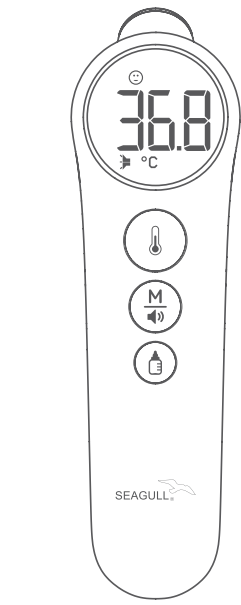


Thermometer User Manual

FDIR-V12



Please read the guide carefully before use and keep it well.
For American please refer to "°F",
for European please refer to "°C".

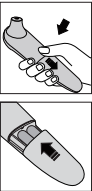
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User manual version: V1.2
Issued:2025/04/26

The thermometer will detect the power automatically after boot-up. If the power is low but still sufficient enough for usage, the low power symbol will appear on the screen along with the measurement result. However, when the battery is running too low, the low power symbol will be flashing on the screen, and after 8 seconds, it will automatically shutdown. You must replace new batteries to continue usage.

7.5. Battery replacement

- Press the battery door and slide it down to open the battery door.
- Take out the old batteries and replace them with new ones.
- Insert the new batteries and keep it fixed. Pay attention and follow the polarity symbols to avoid installing reversely.
- Replace back the battery door to finish. Please follow the related national laws of disposing the abandoned batteries.



Please do not throw the batteries directly to the garbage can. Please take out the batteries if the device is not used for long periods of time.
Please do not put the batteries in the fire.

8. Knowledge of body temperature

The temperature of human body belongs in a range and the range may vary among people. Temperature of individuals may also vary from time to time. We recommend that you know your normal temperature measured on the forehead, so that you therefore have a starting point for any temperature differences.

Self-diagnosis and self-treatment based on the measurement results could be dangerous, please contact the doctor for advisory and provide him/her the measurement results for reference.

9. Calibration

The thermometer has already been calibrated at the time of manufacture. We suggest to change into new devices after 2 years from purchase, or seek assistance for calibration from professional organizations before usage. If the thermometer is used as prescribed, no further calibration will be necessary. Please consult Seagull Healthcare's quality department for technical questions about measurement results.

10.Trouble-shooting

Problem or error message	Checklists	Solution

11. Please contact distributor for support

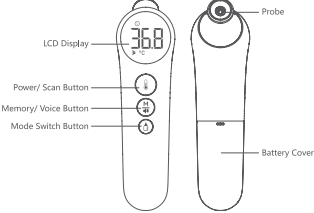
- The probe is the most delicate part of the thermometer. It has to be clean and intact to ensure accurate readings. In order to clean the probe, please follow the way shows below: Wipe the surface of the probe gently using cotton or soft cloth with alcohol (75% Isopropyl).
- Use soft and dry cloth to clean the screen and thermometer casing. If the thermometer casing is too dirty, wipe it with soft cloth along with alcohol.
- The device is not water-proofed, please do not use detergent or place it in water or other liquid.
- We do not authorize any institution or individual to maintain and repair the product. If you suspect that the device might have issues concerning its functions, please do not repair the thermometer by yourselves.
- Thermometer is a very precise product, any improper repair or disassemble will cause inaccuracy of the measuring results.
- Please contact the after-sales service and support for any product issues within the warranty period.

1. Product introduction

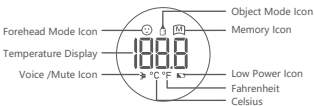
Thanks so much for choosing our product. This high-tech infrared thermometer is used to measure the surface temperature of the forehead and convert it to the actual human temperature by an algorithm (adjustment mode). It can help you learn about the health of you and your family quickly at any time and anywhere.
Product name: Infrared thermometer
Product model: FDIR-V12

2. Product component

The thermometer mainly consists of plastic shell, infrared temperature sensor, PCB, buzzer chip, LCD display and battery. Product front and back view shows below:



LCD display description



3. Product specification

Model	FDIR-V12
Power supply	DC 3V, 2*1.5V AAA batteries
Measuring range	32.0° C~42.9° C (89.6° F~109.2° F) Measurement Range for Object Surface: 0° C~60.0° C (32.0° F~140.0° F)
Measuring accuracy	Body Mode: ±0.2° C /0.4° F, if temperature at 35.0° C ~42.0° C ±0.3° C/0.5° F, if temperature lower than 35.0° C or higher than 42.0° C Object Mode: ±1° C
Memory function	19 groups of data memory
Display resolution	0.1° C/0.1° F
Clinical repeatability	±0.3° C/0.5° F
Measuring position	Forehead
Operation condition temperature	50.0° F~104.0° F (10.0° C~40.0° C) Relative humidity: ≤ 95%RH Atmospheric pressure: 70 kPa ~ 106 kPa

12. Final disposal

Please do not dispose of the product in the household waste at the end of its useful life. To protect the environment, dispose of empty batteries at appropriate collection sites according to national or local regulations.

13. Contents and Accessories

We only use original accessories. Check the accessory list as below to ensure if the package delivered is complete.

Quantity	Parts
1pcs	FDIR-V12 device
1pcs	User Manual

14. Explanation of standardized symbol

	Complies with the European Medical Device Regulation (EU) 2017/745, Notified Body is SGS Belgium NV.
	Authorized representative in the European Union
	Follow instructions for use.
	General warning sign.
	Type BF applied parts
	Batch code
	Serial number
	Manufacturer
	Level of protection for ingress of water or particulate matter into ME equipment
	Disposal in accordance with Directive 2002/96/EC (WEEE)
	Medical device
	Unique device identifier
	Importer

15. Electromagnetic compatibility information

Guidance and manufacturer's declaration – electromagnetic emission – for all EQUIPMENT AND SYSTEMS

Guidance and manufacturer's declaration – electromagnetic emission
The FDIR-V12 is intended for use in the electromagnetic environment specified below. The customer or the user of FDIR-V12 should assure that it is used in such an environment.

Transport/Storage condition temperature	Temperature: -13.0° F~131.0° F (-25.0° C~55.0° C) Humidity: ≤ 95%RH, non-condensing Atmospheric pressure: 70 kPa~106 kPa
Grade of waterproof	IP22
Electric shock	Internally powered ME equipment
Applied part	Type BF applied part,including the whole unit
Battery life	2 years/1000 measurements
Product size	145mm*41mm*49mm
Product weight	93g
Service life	5 years
Software version	V1.0

4. Intended use and application

This product mainly adopts infrared temperature measurement method to measure the temperature of forehead and can be used for infants, children and adults. We recommend adults to operate the thermometer instead of babies and children.

5. Contraindication

Measuring inflammation, trauma or postoperative lesions.

6. Attention

6.1. related to measurement

- 6.1.1.The measurement results are for reference only. Please do not make self-diagnosis and treatment according to the measurement results. If necessary, please go to hospital to take a medical treatment.
- 6.1.2.There is no absolute standard temperature of human body. In order to make a correct judgment for fever, it is important to know your normal body temperature, which is helpful to judge whether you have a fever or not.
- 6.1.3.Before measuring the forehead temperature, please make sure there is no sweat, cosmetics, oil stain, etc.
- 6.1.4.Before measuring, please make sure that the person does not have shower, exercise or eat in past 30 minutes. When human body is in a stable status, the body temperature measured is more referential.
- 6.1.5.Please do not measure the temperature near inflammation or scar, which will affect the temperature measurement results.
- 6.1.6.Please do not measure the body temperature immediately after taking the medicine. The temperature measured at this time is not referential.
- 6.1.7.Please do not measure in the environment where the temperature changes rapidly, such as the air outlet of air conditioner or heater, which will affect the temperature measurement results.
- 6.1.8.When measuring repeatedly, the measurement results may have small deviation, which is a normal phenomenon.

- 6.1.9.Please do not measure in strong electromagnetic interference environment (near working microwave oven, induction cooker, or near a active mobile phone call, etc.), which may lead to measuring improperly or inaccurate measurement results.
- 6.1.10.This product is for personal use. In order to avoid cross infection, please pay attention to the cleaning and disinfection of the product.

6.2. related to product

- 6.2.1.This product belongs to precision equipment. Please put it in the packaging box after use to avoid liquid splashing into the device and probe and prevent small foreign matter (such as dust) from falling into the probe, which may affect measurement results.
- 6.2.2.Avoid falling on the ground or impacted by external force. Please do not disassemble and assemble by yourself.
- 6.2.3.Avoid touching the probe directly with your finger or blowing it with your mouth. When the infrared probe is damaged or dirty, the measurement results may be inaccurate.
- 6.2.4.Please put this product out of reach of the child to prevent the child from swallowing the battery or small parts of the thermometer.
- 6.2.5.Do not put the thermometer and battery into the fire to prevent explosion.
- 6.2.6.Please take out the batteries if the thermometer will not be used for more than 3 months.
- 6.2.7.Self-diagnosis and treatment according to the measurement results are dangerous. Please consult a professional doctor for treatment based on the measurement results.

7. Installation and instruction

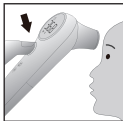
7.1. Installation of product

Put two AAA-batteries into the battery house on the back of the device. At the point the product will start self-inspection, and then turn into power off automatically.(if the battery power is low when starting up, please replace the battery to ensure adequate power supply)

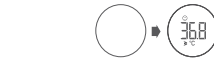
7.2. Measurement process

7.2.1. Forehead temperature measurement

- A. Put the probe toward the forehead directly at a distance from 1cm to 6cm.



- B. Press the [Power/Scan Button] lightly. Testing result can be shown on display within 1 second.



7.2.2. Object Temperature Measurement

- A. Press the [Mode Switch Button] slightly for object mode.
- B. Put the probe towards the object
a. At distance 1.5 cm in a perpendicular ar line.
b. When measuring the temperature of food or drink, be careful not to measure on the packaging but close to the contents themselves.



- C. Press the [Power/Scan Button] lightly and testing result can be shown on display within 1 second.



7.2.3. Sound and backlight explanation

If infrared thermometer beeps once, it means everything goes well. If the measurement result is 37.6° C or above, the infrared thermometer will beep four times. Measurement readings will be displayed on screen.

Measurement range for body	Buzzer warning	Color of backlight
32.0° C (89.6° F) ≤ T ≤ 37.5° C (99.6° F)	The buzzer warning by sending out a long "beep"	Green
37.6° C (99.7° F) ≤ T ≤ 42.9° C (109.2° F)	The buzzer warning by sending out a "beep" "beep" "beep" "beep" "beep" "beep" "beep" "beep" "beep" "beep"	Red
T < 32.0° C (89.6° F) Displaying Lo	The buzzer warning by sending out a "beep" "beep" "beep" "beep"	Green
T > 42.9° C (109.2° F) Displaying Hi	The buzzer warning by sending out a "beep" "beep" "beep" "beep"	Green
Measurement range for object	Buzzer warning	Color of backlight
0° C (32.0° F) ≤ T ≤ 60.0° C (140.0° F)	The buzzer warning by sending out a long "beep"	Green
T < 0° C (32.0° F) Displaying Lo	The buzzer warning by sending out a "beep" "beep" "beep"	Green
T > 60.0° C (140.0° F) Displaying Hi	The buzzer warning by sending out a "beep" "beep" "beep" "beep"	Green

7.2.4. Memory function

- The ISM (Industrial, scientific and medical) bands between 150 kHz and 80 MHz are 6,765 MHz to 6,795 MHz; 13,553 MHz to 13,567 MHz; 26,957 MHz to 27,283 MHz; and 40,66 MHz to 40,70 MHz. The amateur radio bands between 0,15 MHz and 80 MHz are 1,8 MHz to 2,0 MHz, 3,5 MHz to 4,0 MHz, 5,3 MHz to 5,4 MHz, 7 MHz to 7,3 MHz, 10,1 MHz to 10,15 MHz, 14 MHz to 14,2 MHz, 18,07 MHz to 18,17 MHz, 21,0 MHz to 21,4 MHz, 24,89 MHz to 24,99 MHz, 28,0 MHz to 29,7 MHz and 50,0 MHz to 54,0 MHz.
- 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 FDIR-V12 is used exceeds the applicable RF compliance level above, the FDIR-V12 should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as re-orienting or relocating the FDIR-V12.
- Over the frequency range 150 kHz to 80 MHz, field strengths should be less than 3V/m.

Recommended separation distances between portable and mobile RF communications equipment and the EQUIPMENT or SYSTEMS - for EQUIPMENT and SYSTEMS

Recommended separation distances between portable and mobile RF communications equipment and the FDIR-V12				
The FDIR-V12 is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of the FDIR-V12 can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile communications equipment (transmitters) and the FDIR-V12 as recommended below, according to the maximum output power of the communications equipment.				
Rated maximum output of transmitter W	Separation distance according to frequency of transmitter m			
	150 kHz to 80 MHz outside ISM and amateur radio bands	150 kHz to 80 MHz in ISM and amateur radio bands	80 MHz to 2.7 GHz	2.7 GHz
0.01	0.12	0.20	0.035	0.07
0.1	0.38	0.63	0.11	0.22
1	1.2	2.00	0.35	0.70
10	3.8	6.32	1.10	2.21
100	12	20.00	35	70
For transmitters rated at a maximum output power not listed above the recommended separation distance (in metres (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.				

16. Standard list

FDIR-V12 complies with the following standards

EN ISO 15223-1	Medical device –symbols to be used with medical device labels,labeling and information to be supplied –Part 1; General requirements
EN 1041	Information supplied by the manufacturer with medical devices
IEC 60601-1	Medical electrical equipment Part 1: General requirements for basic safety and essential performance

1. This product has 19 groups of data memory function. After power on, press the [Memory/Voice Button] shortly to query the user's historical test data. During display process, the current data group sequence is displayed first, and then comes the temperature data of this group sequence.



2. Continue to press [Memory/Voice Button] shortly to query the next group of data. If it exceeds the last group, it will display the first group data again.



3. If there is no operation for 3 seconds, it will exit the memory mode display.

7.2.5. Mute mode function

After power on, press [Memory/Voice Button] for about 2 seconds to turn on or off the mute mode.



7.2.6. Switching measurement modes

Once power on, object mode and body mode can be switched by pressing [Mode Switch Button] slightly.



7.2.7. Power off

If the device is not in use, it will Power off automatically in 30 seconds.

7.3. Temperature unit selection

- A. After power on,press and hold the [Mode Switch Button] for 10 seconds. The measurement system ("C" or "F") automatically appears on the display.



- B. Then still keep holding the [Mode Switch Button] for 2 more seconds, the unit "C" and "F" will be switched automatically. Release the button when the selected unit appeared, the device be auto into measure ready status. The unit selected is active.



7.4. Battery installation and replacement

17. Right of Complaint

We provide 2 years of Right of Complaint starting from the date of purchase. Please refer to the followings situations that are excluded from the free repair services within the warranty period.

1. All damages caused by disassembly and repair of the device by yourselves.
 2. All damages caused by dropping the device during usage, or transport.
 3. All damages caused by improper usage of the device and not following the instructions on the user manual.
- Please contact after-sales service and support and enclose your product purchase receipt while claiming for warranty services.

Location of purchase:

Contact number:

Date of purchase:

Famidoc Technology Co., Ltd.
Add: No. 212 Yilong Road, Changan Town, Dongguan, Guangdong Province, 523853, P.R. China

Name: Shanghai International Holding Corp. GmbH (Europe)
Add: Eiffestrasse 80, 20537 Hamburg, Germany