vive®
PRECISION

INFRARED THERMOMETER

Owner's Manual

DMD1054WHT

vivehealth.com

WARNINGS AND PRECAUTIONS

PLEASE READ THE INSTRUCTIONS FOR USE CAREFULLY BEFORE FIRST USE AS CORRECT TEMPERATURE MEASUREMENT DEPENDS ON THE APPROPRIATE USE OF THE DEVICE. THESE INSTRUCTIONS DESCRIBE THE INDIVIDUAL STEPS FOR TEMPERATURE MEASUREMENT USING THE INFRARED THERMOMETER AND CONTAIN IMPORTANT INFORMATION FOR RELIABLE BODY TEMPERATURE RESULTS. BE SURE TO KEEP THESE INSTRUCTIONS FOR USE FOR FUTURE REFERENCE.

IMPORTANT SAFETY INSTRUCTIONS

- Never use the product for purposes other than the stated Indications for Use.
- Never immerse the thermometer in water or any other liquid. Follow the cleaning and storage instructions in this manual.
- The patient is an intended operator and can perform the maintenance of the equipment.
- Contact distributor for repair requests.
- Warning: No modification of this equipment is allowed.
- Store the thermometer in a clean, dry environment; avoid direct sunlight. Storage temperature should be between -4°F to 131°F/-20°C to 55°C.

- Do not use the thermometer if it has been damaged, and do not attempt to repair it if damaged.
- This non-contact thermometer is made up of high quality precision parts. Do not drop the instrument. Protect the thermometer from severe impact and shock. Please do not twist the instrument body or sensing head.
- Properly dispose of spent batteries, keeping them out of the reach of children and out of hot environments.
- If batteries are swallowed consult a doctor immediately.
- Warning: Use of the non-contact thermometer does not replace visiting a doctor.

INDICATIONS FOR USE

The Infrared Thermometer is intended to detect body temperature via forehead measurement. Intended to be used in persons including infants (above 6 months), children, adolescents, and adults.

OVERVIEW

We are constantly answering questions and recording helpful videos to make using your Vive Infrared Thermometer as easy as possible. Check out the included link and QR code to help you through the process.

To see all FAQs in one place
visit **vhealth.link/rgc**

WHAT'S INCLUDED

- 1x Non-contact Infrared Thermometer
- Instructions for Use

INTRODUCTION

Congratulations on your purchase of the Vive Infrared Thermometer. The Non-contact Infrared Thermometer is designed for measuring the human body temperature on the forehead. It is ideally suited for measurements on children and adults, ranging from 6 months old and above. Correct use of the device will ensure fast and precise measurement of body temperature in a comfortable, non-invasive manner.

BENEFITS OF USING THE NON-CONTACT INFRARED THERMOMETER

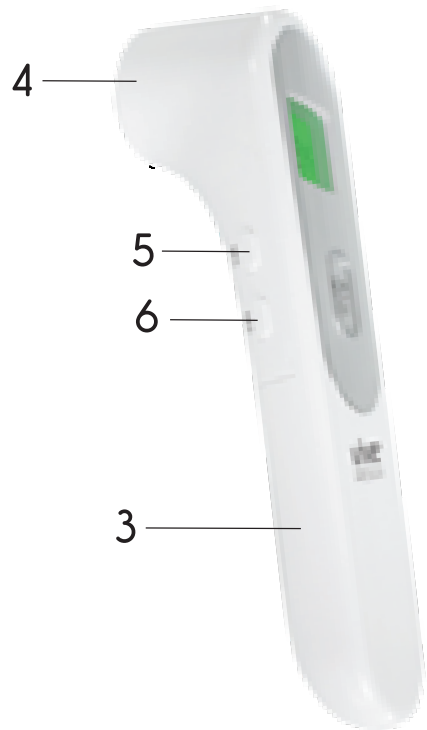
- Non-contact approach may reduce the risk of spreading disease between people being evaluated
- Easy to use

- Easy to clean and disinfect
- Measures temperature and displays a reading rapidly
- Provides ability to retake a temperature quickly
- You can choose to perform measurement of either body temperature or object temperature by moving the slide switch
- Fever Prompt
- Red backlight display and 3 short beeps to warn the patient that he/she may have a fever
- When you enter the memory mode, you can read the last 30 measurement readings
- Automatically displays last reading
- This thermometer will display the last reading automatically for two seconds when starting the device

PRODUCT OVERVIEW

(1) Side view

(1) Front view

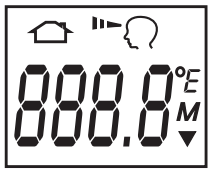
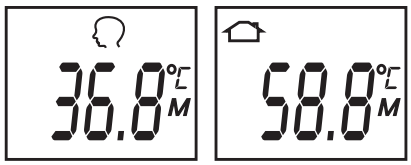
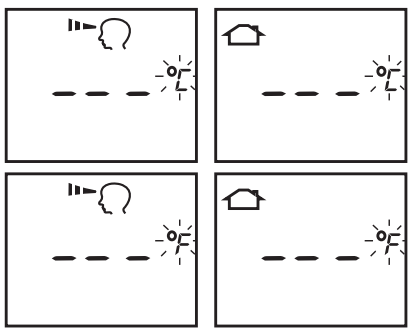
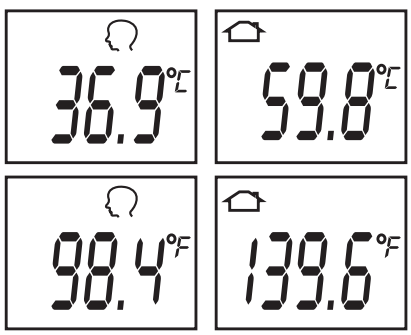


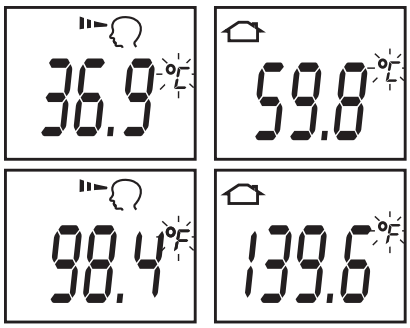
No.	Item	Execution status of mode	No.
1	Display screen		Displays measurement readings and other corresponding symbols
2	Scan button/ On button		With the thermometer turned off, press this button once to wake it, and press a second time to begin measurement

3	Battery cover		Protects the battery compartment
4	Sensing Head		Infrared sensing for measurement
5	MODE button		Press to choose body temp. or object temp.
6	Memory check button		Press to scan through recent measurements

DISPLAY READING DEFINITIONS

Display Screen	Procedure	Desciption
	Body mode	Can perform measurement of body temperature.
	Object mode	Can perform measurement of object temperature.
°C	Degree centigrade	Measure by degree centigrade.
°F	Fahrenheit degree	
M	Memory Mode	Display measurement value from memory.

	Starting up	Turn on this device by pressing button. All information will be shown for two seconds.
	Memory	The last reading will automatically display on the screen for two seconds. Containing M image, measurement mode image (human body) or object.
	Preparation of measurement	The last reading will automatically display on the screen for two seconds. Containing M image, measurement mode image (human body) or object.
	Finish of measurement	Reading will be displayed on the LCD screen.

	To enter the next measurement	Around two seconds later, the image of °F (°C) will twinkle, this device is ready for the next measurement.

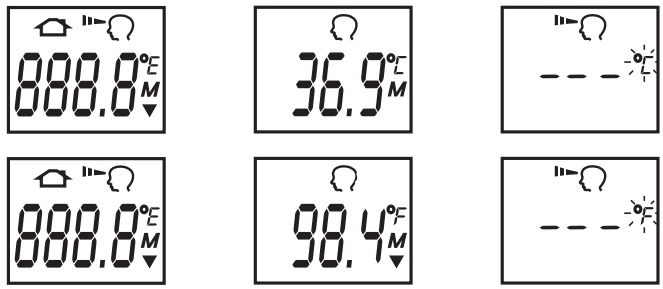
USING THE THERMOMETER

How to Switch Between °F and °C

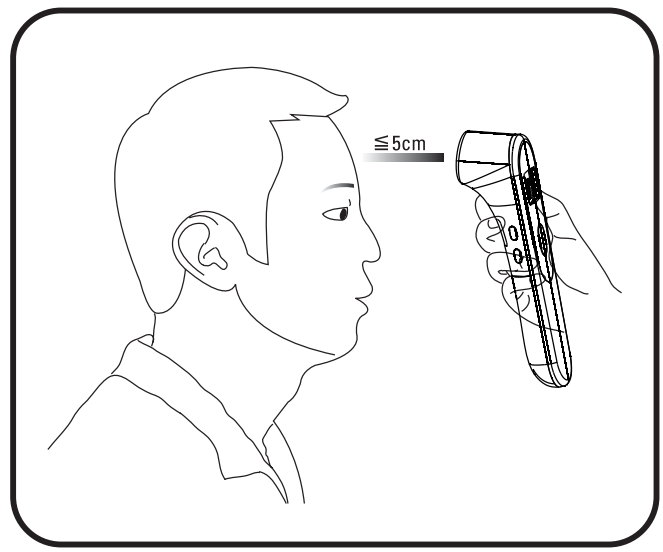
Press the memory button and hold for approximately 8 seconds. When the display shows either °F or °C, press the memory button quickly to toggle between the temperature settings.

Measurement of Human Body Temperature

1. Power on. Press SCAN O/I button when power off. All images on screen will display.
2. The last reading and memory image will automatically display for two seconds.
3. Press "M1' button to body temperature measurement mode.
4. The thermometer will enter the ready state:
   a. A short beep.
   b. Image of °F (°C) and reference position will twinkle on the screen.

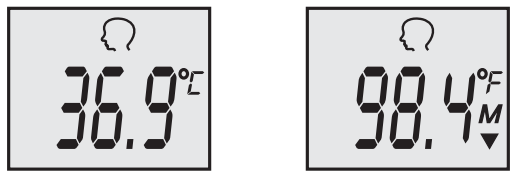


5. To start the measurement, aim the thermometer at the center of the forehead, holding approximately 5 cm away. Remove any obstructions between the sensor and the skin of the forehead.



6. Press the SCAN O/I button for two seconds, release and the measurement is started.

7. A long beep will sound, indicating that the measurement has finished. Read the temperature value on the screen as shown below:



8. Intelligent analysis of body temperature.

   a. If the measured temperature is below 99.5°F (37.5°C), the measurement result will display on the screen with a long beep and green backlight.

b. If the measured temperature is higher than 99.5°F (37.5°C), the measurement result will display on the screen with 3 short beeps and the red backlight, warning that the patient may have a fever.

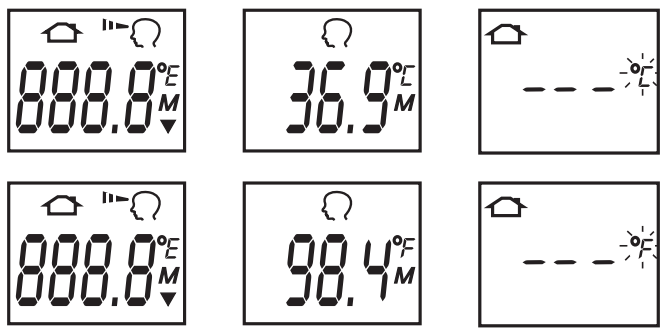
Measurement of Object Temperature

1. Power on. Press SCAN O/I button.

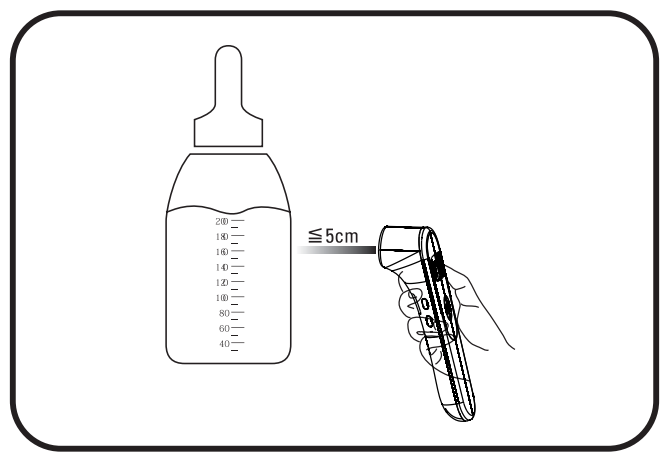
2. The last reading and memory image will automatically display for two seconds.

3. Press "M1" button to Object Temperature measurement mode.

4. The thermometer will enter the ready state:
   a. A short beep will sound.
   b. Image of °F (°C) and reference point position will twinkle on the screen.

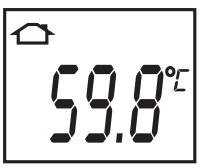


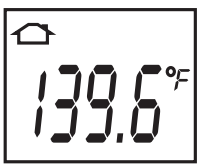
5. Arm the thermometer at the center of the object no more than 5 cm away. If there is water, dust or dirt on the object, wipe clean in order to improve accuracy.



6. Press the "SCAN" button and hold it for 2 seconds while aiming at the center of the object, release and the measurement will begin.

7. A long beep will sound, signaling that the measurement has completed. Read the temperature value on the screen as shown below.





Conditions for Proper Measurement

- Keep users and the thermometer in a stable room temperature for at least 30 minutes before use.
- After continuous measurement, please wait at least two minutes to turn on or off the thermometer.
- Do not take a measurement immediately or soon after nursing.
- Never use the thermometer in a high temperature environment.
- Before or during measurement, do not drink, eat, or move.
- Clean the scanning area and remove any obstructions between the scanner and the object that is to be measured.
- Do not remove the thermometer before hearing the long beep at the end of measurement.

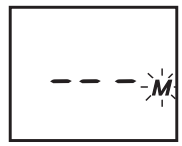
- Use a cotton swab slightly saturated with rubbing alcohol to clean the sensing head as needed.
- Take measurements in the same area every time for most accurate results.
- Do not take measurements of infants when they're first introduced to a room or environment. Allow the infant to become acclimated to the temperature of the measurement environment before taking temperature.
- A general type thermometer should be used for measuring in the following cases:
    - Measurement results are higher or lower than expected.
    - Newborn babies younger than 100 days.
    - Children under 3 years old who have a compromised immune system, have fever, or no fever phenomenon.

USING THE THERMOMETER

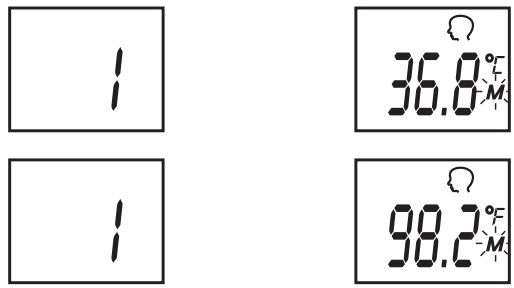
The thermometer automatically stores the 30 most recent measurement values.

To read the measurements stored in memory:

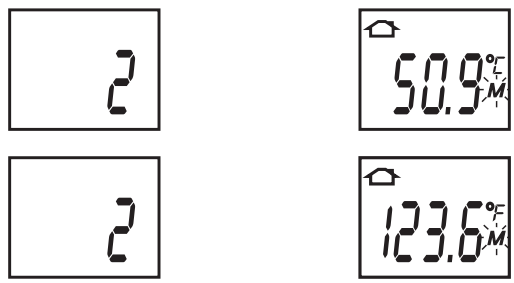
1. With the thermometer turned OFF, press the "MEM" button and hold for approximately 3 seconds. The "M" icon will flash on the screen.



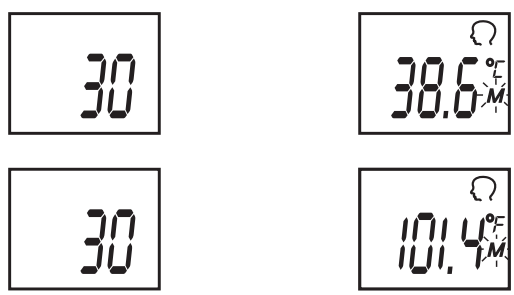
2. Press the "MEM" button again. A "1" will appear and then the last measured value and the "M" icon will flash.



3. Press the "MEM" button again. A "2" will appear and then the penultimate measurement value and the "M" icon will flash.

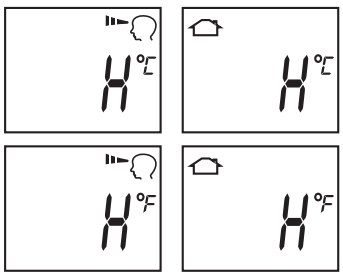
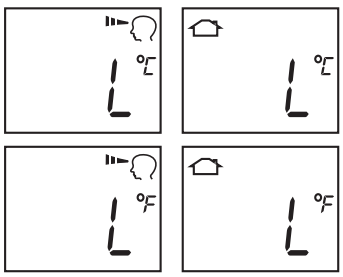
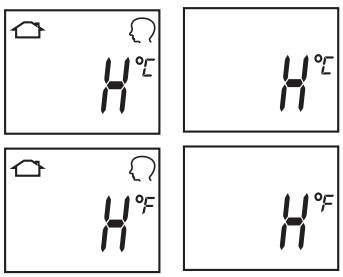
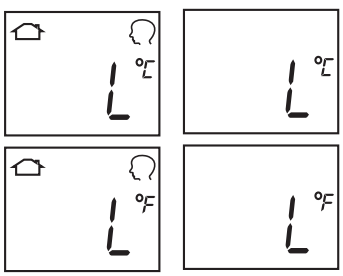


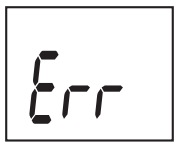
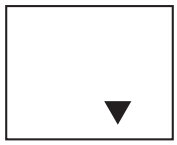
4. Continually pressing the "MEM" button will cycle through the last 30 measurement values.



NOTE: Press the measurement button "SCAN" again after reading the 30th measurement value, and the display will return to the most recently recorded measurement value.

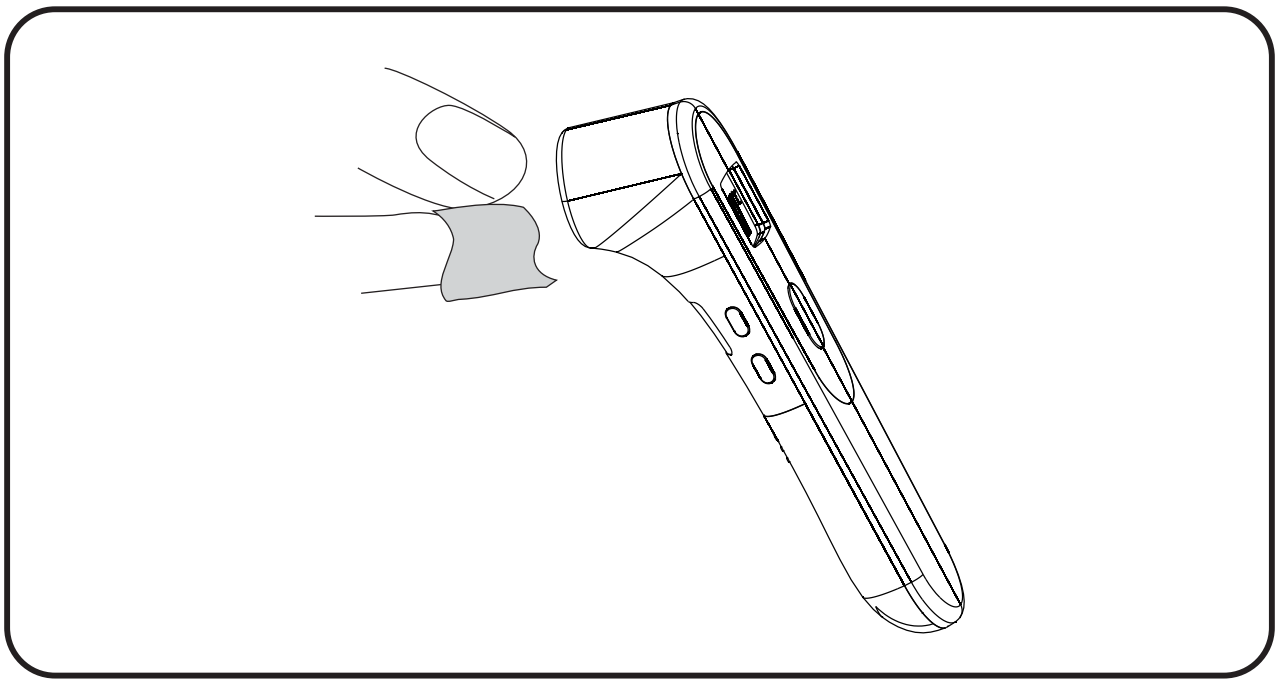
ERROR MESSAGE DEFINITIONS

The screen display	Significance of display	Possible causes and debugging method
	The measurement temperature is too high	The measuring temperature is higher than: • 109.4°F (43°C) body mode • 212°F (100°C) object mode
	The measurement temperature is too low	The measuring temperature is below: • 89.6°F (34°C) body mode • 32°F (0°C) object mode
	Ambient temperature is too high	The environment temperature is higher than the 104°F (40°C) Body mode/Object mode
	Ambient temperature is too low	The environment temperature is below: • 59°F (16°C) body mode • 41°F (5°C) object mode

	Error display	System failure
	Blank screen	Check whether the battery is properly installed and check the negative and positive poles of the battery.
	No battery indicator	If the display screen shows only a fixed battery image, the batteries should be replaced immediately.

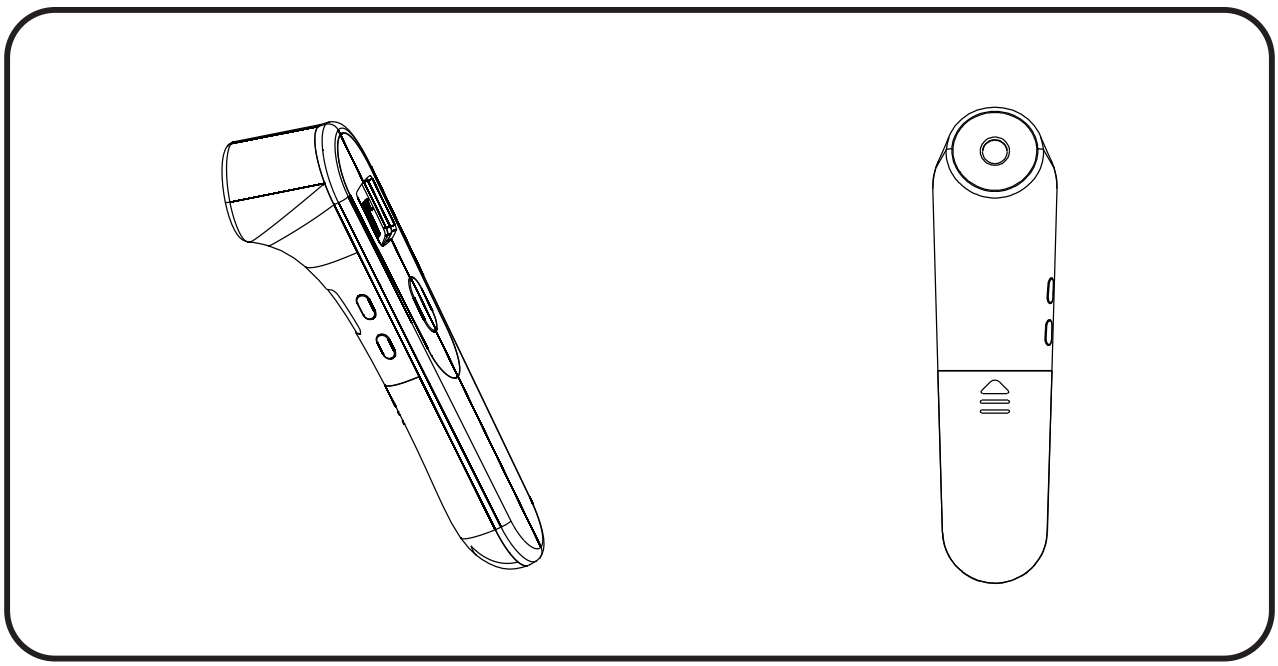
CLEANING AND STORAGE

- Clean the shell and sensing head with a cotton cloth moistened with the 70% isopropyl and make sure not to let the liquid into the inner part of the product. We advise that you should clean your thermometer when you finish your personal measurements every time.
- Do not use abrasive cleaning agents to clean. Do not immerse the product in water or other liquid.
- Be careful not to scratch the LCD surface. If not used for a long time, please remove the battery from the apparatus in order to avoid damaging the thermometer from battery leakage.



POWER SUPPLY AND DISPOSAL NOTES

This product comes with two 1.5V AAA batteries. When the LCD displays the battery symbol "T," it is time to replace the batteries. As shown in the following picture, slide the battery cover off, insert new equivalent battery type and carefully replace the battery cover.



TECHNICAL SPECIFICATIONS

Product name: Infrared Thermometer

Type of Protection Against Electric Shock: Internally Powered Equipment

Degree of Protection Against Electric Shock: Type BF applied part

Mode of operation: Continuous

Accuracy: Body mode:MO.2°C (34.O-43.O°C) / MO.36°F (93.2°F -109.4°F),
MO.3°C (32.O-33.9°C) /MO.54°F(89.6°F-93.O2°F)

Object mode: MO.9°F(32°F-212°F)/MO.5°C (O-100°C)

Measuring range: Body mode: 32.O°C to 42.9°C/89.6°F to 109.22°F Object mode: O°C to 100°C/32°F-212°F

Operation air pressure: 86kPa-106kPa

Operating temperature: temperature: 15°C to 4O°C/59°F to 104°F

Relative humidity: 2O%-85%RH

Object mode: 5°C to 4O°C/41°F to 104°F

Screen: Liquid crystal display screen, display unit O.1°C/O.1°F.

Sound:

A. Device start and preliminary measurements: 1 short "beep" sounds.
B. Complete the measurements: one long "beep" sound.
C. System error or fault: three short "beep" sounds
D. Measurement process: fast and slow "beep" sounds.

Memory:

A. Automatically displays the last measurement reading.
B. Memory stores 30 readings.

Backlight display:

A. When the device starts up, green backlight flashes on the screen for four seconds.
B. When the measurement is completed, the green backlight will flash for five seconds for measurement values below 37.5°C/99.5°F.
C. When the measurement is completed, the red backlight will flash for five seconds for measurement values below 37.5°C/99.5°F.

Storage transportation temperature: -20°C to 55°C/-4°F to 131°F

Relative humidity <95%

Automatic shutdown: Automatic shutdown is within 30 seconds without operation.

Battery DC 3V (1.5V AAA 2 pcs)

Size: 145.5mm (L) x 38mm(W) x 39mm(H)

Weight: Approximately 73g (with battery)

WARRANTY

2 years warranty after date of purchase. This product has been produced with the greatest care according to international quality standards, established in the European Guideline for Medical Products 93/42/EEC. The unit satisfies the requirements of ISO 80601-2-56 and ASTM E1965 and it was subjected to strict testing before delivery.

Should you nevertheless have reasons of complaint, please send the thermometer together with the warranty card, filled out, to the service address given on the back. Any damage caused by improper handling shall not be covered by the warranty. Batteries and packaging are also excluded from the warranty. All other damage claims excluded. A warranty claim must be submitted within the warranty period. Be sure to include: date of purchase, dealer stamp, and name and address of responsible dealer.

EMC DECLARATION

Guidance and manufacturer's declaration -electromagnetic immunity.

The FR series device is intended for use in the electromagnetic environment specified below. The customer or the user of the FR series device should assure that they are used in such environment.			
Immunity Tests	**IEC6O6O1 test level**	**Compliance level**	**Electromagnetic environment-guidance**
Electro static Discharge (ESD) IEC 61OOO-4-2	± 8 kV contact ± 15 kV air	± 8 kV contact ± 15 kV air	Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 3O%.
Electrical fast Transient /burst IEC 61OOO-4-4	± 2 kV for power supply lines N\1 kVfor input/output lines	N/A	Mains power quality should be that of a typical commercial or hospital environment.

Surge IEC 61000-4-5	± 1 kV differential mode ± 2 kV common mode	N/A	Mains power quality should be that of a typical commercial or hospital environment.
Voltage dips, short interruptions and voltage variations on power supply input lines IEC 61000-4-11	0 % UT ; 0.5 cycle At 0", 45",90", 135", 180", 225", 270" and 315" 0 % UT; 1 cycle and 70 % UT; 25/30 cycles Single phase: at o• 0 % UT; 250/300 cycle	N/A	Mains power quality should be that of a typical commercial or hospital environment. If the user of the VST300 device requires continued operation during power mains interruptions, it is recommended that the VST300 device be powered from an uninterruptible power supply or a battery.
Power frequency (50/60Hz) Magnetic filed IEC61000 -4-8	30Nm	30Nm	Power frequency magnetic fields should be at levels of a typical commercial or hospital environment.
NOTE: UT is the a.c. mains voltage prior to application of the test level.			

EMC DECLARATION (CONTINUED)

Guidance and manufacturer's declaration -electromagnetic immunity.

The FR series device is intended for use in the electromagnetic environment specified below. The customer or the user of the FR series device should assure that they are used in such environment.			
Immunity Tests	**IEC60601 test level**	**Compliance level**	**Electromagnetic environment-guidance**
Conducted RF IEC 61000-4-6 Radiated RF IEC 61000-4-3	3Vrms 150kHz to 80MHZ 6V in ISM bands between 0,15 MHz and 80MHZ	N/A	Portable and mobile RF communications equipment should be used no closer to any part of the FR series device, including cables, than the recommended separation distance calculated from the equation applicable t the frequency of the transmitter Recommended separation distance d=12 .JP d=12 .JP 80MHz to 800MHz d=23 .JP 800MHz to 2.5GHz Where p is the maximum output power rating of the transmitter in watts (W) electromagnetic site survey:"should be less than the compliance level in each freque ncy range."

			Interference may occur in the vicinity of equipment marked with the following symbol: 

NOTE1 At 80MHz and 800MHz, the higher frequency range applies.
NOTE2 These guidelines may not apply in all situations.
Electromagnetic is affected by absorption and reflection from structures, objects and people.

a) Field strengths from fixed FR 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 FR transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the VST300 device are used exceeds the applicable FR compliance level above, the VST300 device should be observed to verify normal operation. If abnormal operation is observed, additional measures may be necessary, such as reorienting or relocating the VST300 device.

b) Over the frequency range 150kHz to80MHz, field strengths should be less than 3V/m

EMC DECLARATION (CONTINUED)

Guidance and manufacturer's declaration -electromagnetic immunity.

Recommend separation distance between portable and mobile RF communications equipment and the FR series device

The FR series device is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of the FR series device can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the FR series device 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**		
	150kHz to 80 MHZ d=1.2 $\sqrt{P}$	**BOMHz to BOOMHz d=1.2 $\sqrt{P}$**	**BOOM Hz to 2.7GHz d=2.3$\sqrt{P}$**
O.Q1	/	O.12	O.23
O.1	/	O.38	O.73
1	/	1.2	2.3
10	/	3.8	7.3
100	/	12	23

For transmitters rated at a maximum output power not listed above, the recommended separation distanced 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.

NOTE1 At 8OMHz and 8OOMHz, the separation distance for the higher frequency range applies.

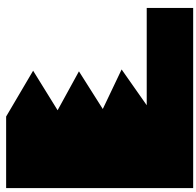
NOTE2 hese guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

DISPOSAL

Once product life has ended or components no longer work, carry out disposal according to current, local regulations.

SYMBOLS

Symbol	Definition
	Type BF applied parts
	Manufacturer
	Attention
	Follow instructions for use
	Serial number
	Direct current
	European Authorized Representative
	CE Mark conforms to essential requirements of the Medical Device Directive 93/42/EEC

	DISPOSAL: Do not dispose of this product as unsorted municipal waste separately for special treatment if necessary.
IP22	Degree of protection: Ingress of solid foreign objects/Ingress of water
	Manufacturer's address: Shenzhen JIACOM Technology Co., Ltd Add: 301, No. 596-4 Dahe Village, Guancheng Community, Guanhu Street, Longhua District, Shenzhen, Guangdong CHINA

GOT MORE QUESTIONS?

Check out our list of Frequently Asked Questions at **vhealth.link/rgc** for helpful answers.

And if that doesn't answer your question, our customer service team would love to help! Feel free to connect with them by phone, e-mail, or chat on our website.

service@vivehealth.com

1-800-487-3808

vivehealth.com

Distributed by

vive health

8955 Fontana Del Sol Way
Naples, FL 34109

270720