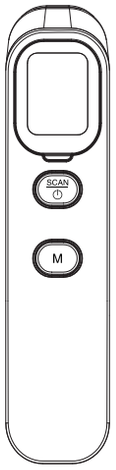
INFRARED FOREHEAD THERMOMETER

SCIAN



Owner's Manual

System Owner:
Thank you for purchasing the SCIAN LD-FT-100B Infrared Forehead Thermometer. SCIAN LD-FT-100B infrared forehead thermometer is a kind of adjust mode thermometer.
Please read this instruction manual first so you can use this thermometer safely and correctly. Please keep this instruction manual for future reference. This innovative medical device uses advanced infrared (IR) technology to measure temperature instantly and accurately on the forehead or object.

IMPORTANT SAFETY INSTRUCTIONS READ BEFORE USE

The following basic safety precautions should always be taken.
1. Close supervision is necessary when the thermometer is used by, on, or near children, handicapped persons or invalids.
2. Use the thermometer only for the intended use described in this manual.
3. Do not use the thermometer if it is not working properly, or if it has suffered any damage.

KEEP THESE INSTRUCTIONS IN A SAFE PLACE

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BEFORE YOU BEGIN

Cautions and Warnings
●As with any thermometer, proper technique is crucial to obtaining accurate temperature readings. Please read this manual thoroughly and carefully before using.
●Always operate the thermometer in an operating temperature range 10°C to 40°C, and relative humidity range 10%~85%.
● Always store the thermometer in a cool and dry place -10°C to 50°C and relative humidity range 10%~85%.
●Avoid direct sunlight.
● Avoid dropping the thermometer, if it happens and you think the thermometer may be damaged, please contact customer services immediately.
●Do not touch the lens.
●Do not disassemble the thermometer.
● Basic safety precautions should always be observed, especially when the thermometer is used on or near children and disabled persons.

● This thermometer is not intended to substitute for a consultation with your physician.
● The prolonged exposure to the device will not cause skin irritation or any contact injuries.
● If there is a temperature difference between the storage place of the thermometer and the place where you want to measure, please leave the device at the place where you want to measure for more than 30 minutes so that it can reach the ambient temperature of the place first, and then measure.
● When the measured temperature falls within the fever temperature range of ≥37.5℃and <43℃, as indicated by the red Light. please consult with your physician immediately.

Restrictions of Use
This thermometer is clinically proven to produce accurate temperature measurements. However, please be advised that the accuracy cannot be ensured when the thermometer is not clean. Check that the probe is clean before taking a measurement.

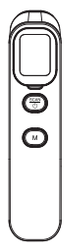
Intended Use
SCIAN LD-FT-100B Infrared Forehead Thermometer is intended for the continuous measurement and monitoring of human body temperature from forehead measurement at home.
The patient is intended operator.
A control measurement using a conventional thermometer is recommended in the following cases:
1. If the reading is surprisingly low,
2. For new-born infants up to 100 days old,
3. For children under three years of age who have a weakened immune system or who react unusually in the presence or absence of fever.

How does it work
The thermometer measures the infrared heat generated by the surface of the skin over the vessel and its surrounding tissue. The thermometer then converts it into a temperature value.

NOTE:
The thermometer does not emit any infrared signal.

Highlighted Features
●Non-contact measurement that does not require probe cover, there by saving cost of replacement.
●Automatically power off if left idle for 20seconds.
●Memory function allows you to recall previous results up to 32 previous results.
●Color visible indication of alarm（red）and measurement in progress（green）.
●Button-free power on and auto-sense measurement within 3 cm.
●Measurement can be performed immediately after power-on.

Package Contents



Thermometer

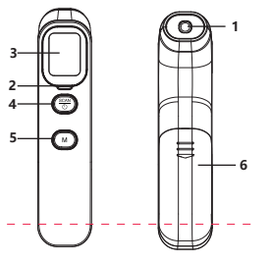


Use's Manual



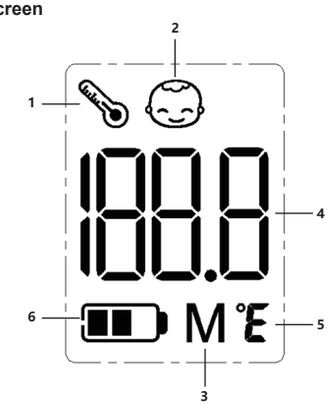
1.5V AAA batteries

Meter Overview



1. Auto-sense Probe
2. 3-color LED
3. Display Screen
4. ON/OFF & Scan Button
5. Mode/Memory Button
6.Battery Cover

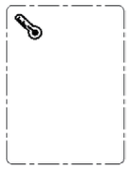
Display Screen



1. Object temperature indicator
2. Body temperature indicator
3. Memory mode
4. Temperature reading
5. Temperature unit
6. Low battery indicator

Select the Test Mode
When test finished or reading the result memories, press and hold Mode/Memory button for 3 seconds to enter the mode switch state.
Press Mode/Memory button to switch the mode. Two modes are available.

1. Object Mode
This mode is used to measure the object temperature.

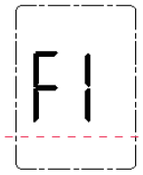


2. Body Mode
This mode is used to measure the forehead temperature of human body.

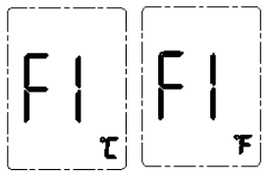


When mode switch operation finished, press ON/OFF button to confirm the selection. At the same time the meter is ready to perform test. If you do not press ON/OFF button to confirm, the meter will shut down automatically after 20 seconds and the mode selected will be saved.

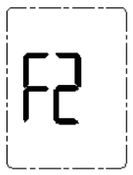
Select the Temperature Unit and Turn on/off the Sound
Press and hold ON/OFF button, at the same time install the batteries. Keep holding the button for 5 seconds more, enter the temperature unit switch mode.



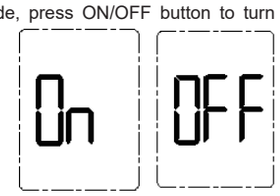
Release ON/OFF button and press it again to switch ℃ and ℉ unit.



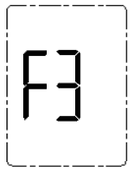
Press Mode/Memory button to confirm the temperature unit and enter the sound select mode. If there is no operation for 20 seconds, the meter will save the selection and shut down automatically.



After entering the sound select mode, press ON/OFF button to turn on/off the sound.



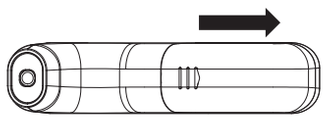
Press Mode/Memory button to confirm settings and enter F3 mode. If there is no operation for 20 seconds, the meter will save the selection and shut down automatically.



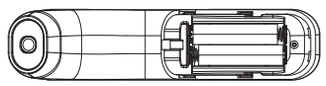
F3 mode is irrelevant to users, please press Mode/Memory button again to finish selection and turn off the meter. If there is no operation for 20 seconds, the meter will shut down automatically.

Replacing the Battery
The thermometer comes with two 1.5 V AAA alkaline batteries. Original two AAA batteries can continuously work for about 15 hours.The meter will display "▮" to alert you when the meter power is getting low, please follow the steps below to replace new batteries immediately.

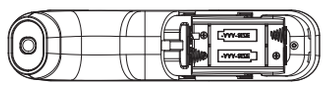
1. Remove the battery cover as the arrow direction accordingly.



2. Remove the old batteries and replace with two 1.5V AAA size alkaline batteries.



Positive (+) and Negative (-) are displayed on the bottom of battery compartment.



3. Close the battery cover.

NOTE:
1. Although the thermometer works when "▮" appears, we still recommend that you change the batteries to obtain an accurate result.
2. Remove the batteries if stored for a long period of time.
3. The batteries should be kept away out of children's reach. If they are swallowed, promptly see a doctor for help.

DETAILED INFORMATION

About Normal Body Temperature & Fever
The temperature in the forehead and temple area differs from the internal temperature, which is taken orally or rectally. Vasoconstriction, an effect which constricts the blood vessels and cools the skin, can occur during the early stages of a fever. In this case, the temperature measured by the Universal Infrared Forehead thermometer may be unusually low. If the measurement therefore does not match the patient's own perception or is unusually low, repeat the measurement every 15 minutes. As a reference, you can also measure the internal body temperature using a conventional oral or rectal thermometer.
Body temperature can vary from one individual/person to next. It also varies by location on the body and time of day. Below shows the statistical normal ranges from different sites. Please keep in mind that temperatures measured from different sites, even at the same time, should not be directly compared. Fever indicates that the body temperature is higher than normal. This symptom may be caused by infection, overdressing or immunization. Some people may not experience fever even when they are ill. These include, but are not limited to, infants younger than 3 months old, persons with compromised immune systems, persons taking antibiotics, steroids or antipyretics (aspirin, ibuprofen, acetaminophen), or persons with certain chronic illnesses. Please consult your physician when you feel ill even if you do not have fever.

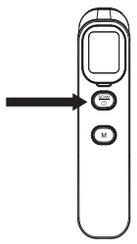
Table*1 Body Site Normal Temperature Range

Oral	0.6°C (1℉) or more above or below 37°C (98.6℉)
Rectal/ear	0.3°C to 0.6°C (0.5℉ to 1℉) higher than oral temperature
Axillary (armpit)	0.3°C to 0.6°C (0.5℉ to 1℉) lower than oral temperature

*1. Body Temperature at WebMD;
website: http://firstaid.webmd.com/body-temperature retrieved at 2010 Jan 7.

PERFORM THE TEST

Using the Device
As a BodyMeasurement Thermometer
1. Touch ON/OFF Button to turn on the thermometer first.



2.Move the probe close to the forehead and press on/off button.
Make sure the probe is flat and close to the forehead, not at an angle. Perform a forehead measurement with a distance within 3 cm. The meter will take measurement automatically with the blue LED blinks.



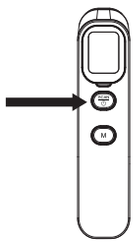
3. Read the result.
The measurement result will be done in 1 seconds.
The reading is shown together with green LED and three short beeps.



●As the forehead measurement temperature is likely to be affected by sweat, oil and the surroundings, the reading shall be taken as a reference only. Please follow the prescription made by your doctor.
●If the probe is placed at an angle close to the forehead measurement, the reading will be affected by surrounding temperature. Babies' skin reacts very quickly to the ambient temperature. Therefore, do not take their temperature with the infrared forehead thermometer during or after breastfeeding, because the skin temperature may then be lower than the internal body temperature.
●If the reading is <32°C, the display will show "L" together with red LED and three short beeps.
●If the reading is ≥ 37.5 °Cand ≤ 43°C, the display will show the result together with red LED and ten short beeps.
●If the reading is ＞43°C, the display will show "H" together with red LED and three short beeps.

●The thermometer will automatically turn off if left idle for 20 seconds.
●When the thermometer is used, the expected maximum height from the ground is 1M.
●The next measurement can be performed immediatelyafter the previous measurement result is displayed.

As an Object Measurement Thermometer
1. Touch “ON/OFF” button to turn on the thermometer first.



2. Move the probe close to the object and press on/off button.
Make sure the probe is flat and close to the object, not at an angle. Perform an object measurement with a distance within 3 cm. The meter will take measurement with the blue LED blinks.

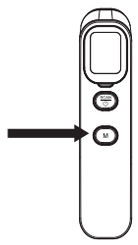


3. Read the result.
The measurement result will be done in 1 seconds.
The reading is shown together with green LED and three short beeps.

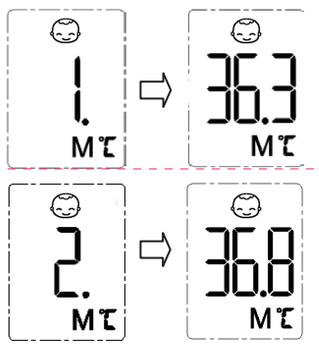


METER MEMORY

Read test record
Your device stores 32 most recent records under body mode.
After measurement, press Mode/Memory button to enter memory read mode.



The screen first displays the serial number of the previous measurement result (from 1 to 32), and then displays the measurement result.
Continue to press the Mode/Memory button, the results will be displayed in reverse order. The 1st result is the earliest result that the thermometer can display.



LED in green or red will appear according to the memory reading.

After the 1st result is displayed, press the Mode/Memory button again, and the screen will return to display the 32nd result. When the memory is full, the oldest results will be deleted as new results are added.

2. Exit the memory.
The thermometer will automatically turn off if left idle for 20 seconds.

MAINTENANCE

Care & Cleaning
●The probe is not waterproof. Please wipe with a clean and dry cotton swab to clean the probe on the inside.
●The waterproof level of the thermometer is IPX2. Never put the thermometer under a running tap or submerge it into water. Use a soft and dry cloth to clean it. Do not use abrasive cleaners.
●Store the thermometer in a cool and dry location. Free from dust and away from direct sunlight.
●Do not modify the device without the authorization of manufacturer.
●Do not service or maintain the device while in use with patient.
●Do not place the thermometer where pets, pests or children can reach.

SYSTEM TROUBLESHOOTING

Measurement Result

MESSAGE	MESSAGE WHAT IT MEANS
H / L	Measured temperature falls outside the displayed temperature range of 32℃ to 43℃, is shown on the display with red LED. ●H-temperature ＞43℃ ●L-temperature < 32℃
36.8 ℃	Measured temperature falls in normal reading, within the range of 32℃ to 37.5℃, is shown on the display with green LED.
38.8 ℃	Measured temperature falls in fever reading, ≥37.5℃and ≤ 43℃, is shown on the display with red LED.

Troubleshooting
The table below shows problems you may encounter. All error messages below would be shown together with Back light. Please follow "what to do" to resolve problems. If the problem still exists, please call your local dealer for help.

MESSAGE	WHAT IT MEANS	WHAT TO DO
Er1	Appear when environmental temperature is below system operation range.	Put the thermometer under operating temperature range of 10°C to 40°C
Er2	Appear when environmental temperature is above system operation range.	Put the thermometer under operating temperature range of 10°C to 40°C
	Battery is low and “▭” appears on display.	Please replace batteries as soon as possible.
Er3	If the thermometer has big error.	Please contact the customer service line.
Err	The sensor is damaged or the internal circuit is faulty.	Please contact the customer service line.

SYMBOL INFORMATION

SYMBOLS	MEANING
	Consult instructions for use
	Manufacturer
SN	Serial number
	Disposal of Electrical & Electronic Equipment(WEEE): Do not treat this product as household waste.
CE 0123	CE marking in conformity with EC directive 93/42/EEC
EC REP	Authorized representative in the European Community
IP22	Protected against solid foreign objects 12.5 mm in diameter and larger, and against drops of water when the housing is angled up to 15°

SPECIFICATIONS

Model No.: LD-FT-100B
Dimension & Weight: 166 x 43 x 44 mm,90g (include batteries)
Power Source: 2 x 1.5 V AAA alkaline batteries
Displayed temperature range:
Forehead: 32°C to 43°C
Object: 0°C to 70°C
Display resolution: 0.1 ℉/0.1°C
Accuracy:
FOR BODY MODE:
±0.2°Cfrom 35.0°Cto 42.0°C
±0.3°Cfrom 32.0°Cto 35.0°C and from 42.0℃to 43.0°C
FOR OBJECT MODE:
±0.2°C from 35.0°C to 42.0°C
±0.3°C from 32.0°Cto 35.0°C and from 42.0°Cto 43.0°C
±1.0°C from 5.0°C to 32.0°C and from 43.0°Cto 60.0°C
±4.0°C from 0.0°C to 5.0°C and from 60.0°Cto 70.0°C
Temperature unit: °C or ℉
Operating temperature range: 10°C to 40°C
Operating humidity: 15% RH ~ 85% RH
Operating atmospheric pressure: 700 hPa to 1060 hPa
Transport & Storage temperature range: -10°C to 50°C
Transport & Storage humidity: 10% RH ~ 85% RH
Transport & Storageatmospheric pressure: 500 hPa to 1060 hPa
Memory capacity: 32 measurements
Expected service life: 5 years
Pollution Degrees: Degrees 2

DISPOSAL



Adhere to the applicable regulations when disposing of the device.
This product must not be disposed of together with domestic waste.
All users are obliged to hand in all electrical or electronic devices, regardless of whether or not they contain toxic substances, at a municipal or commercial collection point so that they can be disposed of in an environmentally acceptable manner.
Please remove the batteries before disposing of the device/unit.
Do not dispose of old batteries with your household waste, but at a battery collection station at a recycling site or in a shop.

MANUFACTURER'S DECLARATION

Guidance and manufacture's declaration-electromagnetic immunity
The model LD-FT-100B Infrared Forehead Thermometer is intended for use in the electromagnetic environment specified below. The customer or the user of the model LD-FT-100B Infrared Forehead Thermometer should assure that is used in such an environment.

Declaration-Electromagnetic Immunity(Home Healthcare Environment)		
Immunity test	IEC 60601 test level	Compliance level
Electrostatic discharge(ESD) IEC 61000-4-2: 2008	±8 kV contact ±2 kV, ±4 kV, ±8 kV, ±15 kV air	±8 kV contact ±2 kV, ±4 kV, ±8 kV, ±15 kV air
Radiated RF IEC 61000-4-3: 2006+A1: 2007+A2: 2010	10V/m 80 MHz to 2.7 GHz also meet the requirement of table 9 of IEC 60601-1-2: 2014.	10V/m 80 MHz to 2.7 GHz also meet the requirement of table 9 of IEC 60601-1-2: 2014.
Power frequency (50/60 Hz) magnetic field IEC 61000-4-8: 2009	30 A/m	30 A/m

Portable RF communications equipment(including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm（12 inches）to any part of the LD-FT-100B, including cables specified by the manufacturer. Otherwise, degradation of the performance of this equipment could result.
Note1 At 80MHz and 800MHz, the higher frequency range applies.
Note2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.
a Field strength from fixed transmitters, such as base stations for radio 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 Model LD-FT-100B Infrared Forehead Thermometer is used exceeds the applicable RF compliance level above, the Model LD-FT-100B Infrared Forehead Thermometer should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as re-orienting or relocating the Model LD-FT-100B Infrared Forehead Thermometer.
b Over the frequency range 150KHz to 80MHz, field strength should be less than 3V/m.

Compliance information for each EMC test

Electromagnetic Emission(Home Healthcare Environment)	
Emission test(IEC 60601-1-2:2014)	**Compliance**
Conducted and radiated RF emissions	CISPR 11 Group 1 Class B

● Use of this equipment adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such use is necessary, this equipment and the other equipment should be observed to verify that they are operating normally.
● Use of accessories, transducers and cables other than those specified or provided by the manufacturer of this equipment could result in increased electromagnetic emissions or decreased electromagnetic immunity of this equipment and result in improper operation.

WARRANTY

QUALITY GUARANTEE

MODEL		
Warranty period	The warranty period for the main unit of Mesh Nebuliazer is one year from purchasing date.	
Purchasing date		
Purchasing shop	Name:	Telephone:
	Address:	
Customer	Name:	Telephone:
	Address:	

REQUIRING RECORD

Date	TROUBLE	SERVICE MAN
Guarantee Regulation	1. During warranty period the repair could be made at any Mesh Nebulizer repair department. 2. The following things not belong to warranty range: (1) Operating Mesh Nebulizer different from procedures or instructions of the manual. (2) The body is damaged artificially. (3) Self-repairing or modifying the monitor construction in any way. (4) Problem which occurs under natural calamity and other force majeures. 3. The part 1 mentioned in page 4 of the instruction manual is not included in the main unit.	

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EC REP **Shanghai International Holding Corp. GmbH (EUROPE)**
Address: Eiffestrasse 80, 20537 Hamburg, GERMANY

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Web: www.asian-medical.com

IP22 CE 0123

Made in china
P100B/2105/03