

ISTEL NC300 BT

NON-CONTACT INFRARED THERMOMETER

INSTRUCTION FOR USE



Before using the device, read these instructions for use carefully. Use the product only for its intended purpose described in this manual. Please keep the instructions for use so that you can refer to them when necessary. Self-measurement means control, not diagnosis. Do not take any medical measures without consulting your doctor first.

For detailed information regarding your own body temperature, CONSULT YOUR PHYSICIAN. If you have any questions about using the device or would like to report any unexpected events, please contact the Helpline at the number provided in the instructions.

1. General description of the product

Intended use: The ISTELE NC300 BT non-contact infrared thermometer is designed to measure body temperature in children and adults as well as the environment temperature in a non-contact way, which allows for obtaining results much faster. The thermometer is used to measure body temperature in case of a suspicion of a disease, during the course of a disease, and also during the recovery period after medical procedure, surgery or in case of general fatigue. The thermometer is intended for home use or use by medical personnel.

In addition, the thermometer has a short-range wireless connectivity function that allows you to send measurement results to the ISTELE HEALTH Application installed on a mobile device, e.g. smartphone or tablet.

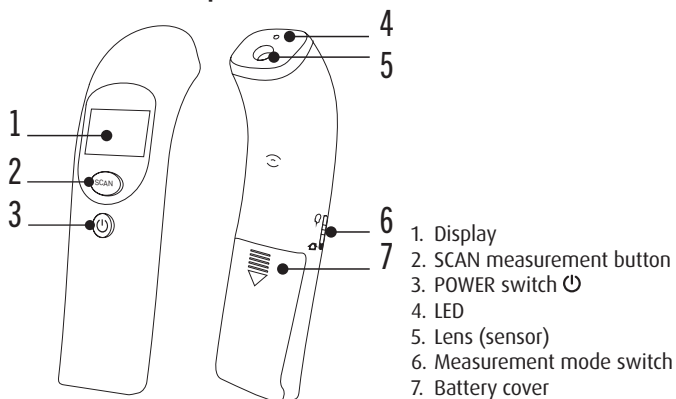
Information for medical personnel:

In the pediatric population, infrared thermometers should be used with caution in the clinic. It has been stated that forehead temperature measurements should be performed only for screening purposes.

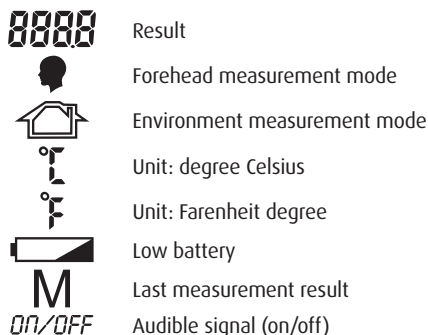
Product advantages:

- Easy to clean sensor
- Fever alarm (only for measuring body temperature) for measurement results from 37.8 °C, an audible signal will automatically appear to indicate the presence of a fever.
- Enables quick and accurate temperature reading
- Backlight display
- Easy to use
- Memory of last 12 measurements
- After turning on the device it automatically displays the last measurement result

2. Device composition



3. Description of symbols on the LCD display



4. Performing measurement

Switch manually to body temperature measurement mode or environment temperature measurement mode .

4.1 Non-contact forehead measurement mode

NOTE: At first, select the measurement mode manually using the switch . Before measurement, clean and dry the skin on the forehead, and remove hair from the measurement site.

Switch on the device by pressing the button . All the symbols will be displayed on the screen for a short moment, as shown in Fig. 1.

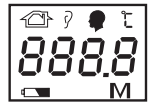


Fig. 1

Afterwards the display will show the last temperature measurement result, as shown in Fig.2.



Fig. 2

After a few seconds, the device will switch to the temperature measurement mode on the forehead. You will be informed about the readiness for measurement by a sound signal and the flashing temperature unit "°C" or "°F" next to the symbol (Fig. 3).

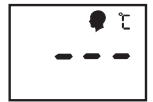


Fig. 3

Hold the thermometer in a 5 to 10 cm distance from the forehead (Fig. 4) and press the "SCAN" button. The device will emit an audible signal when the measurement is completed. Then the temperature result will appear on the display screen (Fig. 5).



Fig. 4



Fig. 5

When the temperature unit symbol "°C" or "°F" flashes, the next measurement can be taken.

After taking 5 consecutive measurements, we recommend taking a one-minute break before taking the next measurement.

If the device is not used, **it will switch off automatically after 60 seconds.**

4.2 Environment measurement mode

NOTE: At first, select the environment measurement mode manually using the switch .

Turn the device on by pressing the button . All the symbols will be displayed on the screen for a short moment, as shown in Fig. 6

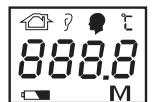


Fig. 6

The display screen will show the latest temperature measurement as shown in Fig. 7.



Fig. 7

After a few seconds, the device will switch to the environment temperature measurement mode. The symbol and the temperature unit "°C" or "°F" will appear on the display, which will flash when the device is ready for measurement (Fig. 8).

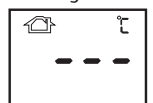


Fig. 8

Hold the thermometer in a 5 to 10 cm distance from an object, then press the "SCAN" button. Measurement is indicated by the audible signal. Then the temperature result will appear on the display screen (Fig. 9).



Fig. 9

When the temperature unit symbol "°C" or "°F" flashes, the next measurement can be taken.

After taking 5 consecutive measurements, we recommend taking a one-minute break before taking the next measurement.

If the device is not used, **it will switch off automatically after 60 seconds.**

4.3 Setting audio signal

With the device turned off, press the "SCAN" button for about 5 seconds until the "ON/OFF" symbol appears on the display. Briefly press the SCAN button to turn the sound signal ON or OFF. To confirm your selection, press the button .

4.4 Setting the temperature unit "°C" or "°F"

With the device turned off, press the "SCAN" button for about 10 seconds until the "---" symbol appears on the screen with the temperature unit C or F. Press the SCAN button to set the appropriate units. To confirm your selection, press the .

4.5 Viewing stored results

Data of the last 12 measurement results stored in the memory.

With the device turned off, press the "SCAN" button so that the symbol "---M" appears on the display screen, next you can view measurement results stored in the memory. Pressing the "SCAN" button to scroll through stored measurement results. Press the to exit the results view mode and turn the device off.

5. Battery level indication and battery replacement

The typical life of new and unused batteries is 300 measurements at an operating time of 60 seconds.

5.1 LOW battery

A low battery symbol appears in the bottom left corner of the display when the battery level drops to the minimum level. In such a case replace the batteries immediately. However, the device will still be usable for a short time (Fig. 10).



Fig. 10

5.2 Replacement batteries

- Remove the battery cover from the battery compartment (according to the direction shown on the cover).
- Insert 2 new batteries into the battery compartment, observing their polarity.
- Replace the battery cover. The cover will be securely closed when you hear a click.

6. ⚠ Important safety notes

To ensure proper use of the product, always observe the safety rules for measurements.

- Before using the infrared thermometer for the first time, place the batteries in the battery compartment, paying attention to their polarity.
- Each time after using the thermometer, clean the lens. Keep the lens clean at all times. Clean the lens with a small gauze or cotton swab slightly moistened with a 70-80% isopropyl alcohol solution; wipe the socket in which the lens is located.
- Clean the device (before and after every use) with a soft, clean cloth slightly moistened with a 70-80% isopropyl alcohol solution.
- Store the thermometer in a dry place; do not immerse it in water or other liquids.
- Do not expose the thermometer to high temperatures and avoid exposure to sunlight, dust and dirt.
- Do not store the thermometer near sharp and pointy objects.
- Do not touch the lens with your fingers.
- Do not try to disassemble the thermometer.
- Do not perform forehead measurements if the skin is damaged.
- The temperature should be measured while at rest. Do not measure the temperature immediately after physical activity or after bathing. After a walk, wait at least 30 minutes before taking a measurement.
- If you have any problems with the product, in terms of configuration, maintenance or accuracy of measurements, please contact the Service.
- Fall and physical impact may negatively affect device operation, in which case you should contact the Service.
- The product should only be used with accessories recommended by the manufacturer.
- Do not take measurements if the product is exposed to strong electromagnetic fields or static electricity.
- Do not use the device adjacent to or stacked with other electrical devices, as this may result in improper operation. If such use is necessary, ensure that the devices are operating properly.
- Portable and mobile 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 device, including cables specified by the manufacturer. Failure to do so may result in degraded performance of this device.

In the following cases, it is recommended to take at least 3 measurements; the highest reading should be considered the most reliable.

- Infants under 3 months of age.
- Children under 3 years of age with impaired immune system.
- Using an infrared thermometer for the first time. Until you start getting accurate and consistent readings, repeat the procedure several times.

Remember:

- Using cleaning methods and agents other than those specified in the instructions may cause the infrared thermometer to malfunction.
- **Contraindications:** Do not direct the LED light on scars or damaged/diseased skin area. Patients with injuries and those taking anti-inflammatory drugs for skin treatment should not be measured. Do not place the thermometer probe on skin exposed to direct sunlight and heat from a heating device (e.g. fireplace), skin treated with hiloterapy, or skin that is in the path of flow from air conditioner.
- Do not perform service / maintenance works while using the device.
- The intended user of the device is the patient or his caregiver. The patient/caregiver performs measurement, transmits data and cleans the thermometer and its accessories in accordance with the instructions for use.
- Remove the batteries if the device will not be used for more than three months. Failure to do so may cause fluid leakage, heating or bursting the battery, resulting in damage to the device.
- This device is not suitable for sterilization. This device is not intended for use in an OXYGEN ENRICHED ENVIRONMENT.
- At the end of the use, remove the batteries, accessories and packaging in accordance with applicable waste disposal regulations.
- Check the condition of the device before each use. Do not use damaged product. Continued use of a damaged device may result in injury, incorrect results, or pose a serious hazard.
- Do not disassemble, repair or modify the device by yourself.
- Keep the thermometer away from children, pets and pests.
- Temperature measurement should be carried out under adult supervision. Do not allow children to open the battery cover and remove batteries (risk of swallowing).



NOTE – swallowing batteries may be fatal. If a child swallows a battery, contact a doctor immediately. The product contains small parts that could be swallowed or inhaled.

NOTE: In the event of a temperature difference between the storage location of the device and the measuring location, leave device in the intended use location for 2-4 hours to compensate for temperature differences. Only then you can perform measurement.

Reporting serious incidents

Any serious incident that has occurred in connection with this device must be reported to the Manufacturer and to the competent authority of the Member State in which the reporting person is resident.

7. Performing measurements with ISTEEL HEALTH Application using the wireless connectivity function

The ISTEEL NC300 BT thermometer can be used in conjunction with Smartphone/tablet running the Istel Health Application. The results will be automatically transferred via wireless connection.

ISTEEL HEALTH APP

In order to start using the Istel Health App, download it for free from the Play Store, Apple App Store, from istel.com.pl or diagnosis.pl and then install it on your Smartphone / tablet. The wireless connection function on the ISTEEL NC300 BT thermometer turns on automatically and will be ready to connect to the Istel Health App after switching on the device.

1. Turn on the Bluetooth® function on your phone or tablet
2. Run the Istel Health App on your phone or tablet and create a new profile (if you downloaded the application for the first time) by entering the username and creating 4- digit PIN number. Accept with OK.

NOTE: Remember your app user PIN so you can log in to your device in the future.

DOWNLOAD OUR APPLICATION



ISTEELHealth

Fill in the form to create a new user profile. Your PIN code must consist of four digits.

Name and Surname

PIN code

Retype PIN code

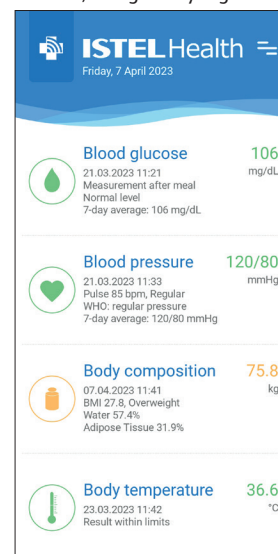
OK

Sign in to existing profile

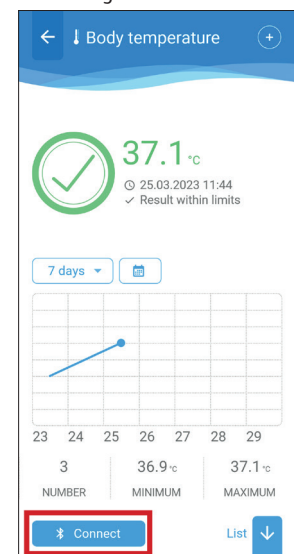
View 1

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The Android, Google Play logos are trademarks of Google Inc.



View 2



View 3

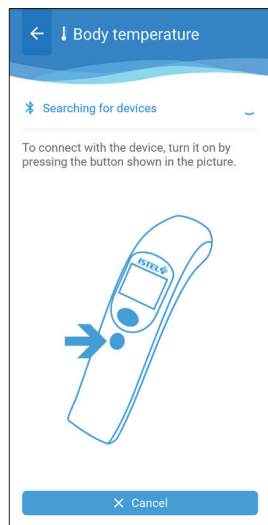
Select Body temperature (View 2) in the main Istel Health App window.

Choose **CONNECT** (View 3)

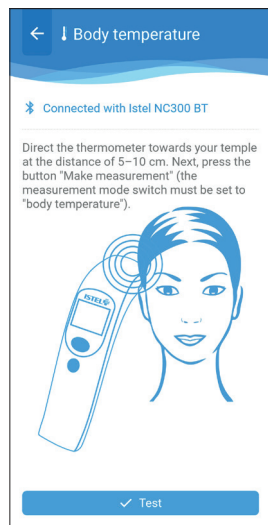
To establish connection with the ISTELE NC300 BT thermometer, turn it on with the button indicated on the drawing (View 4) Then point the thermometer 5-10 cm away from the forehead. Remember to have the "body temperature" measurement mode enabled (otherwise the message appears: measurement error). You can take measurements in two ways:

- Press **TEST** icon in the Istel Health app (View 5)
- By pressing the **SCAN** button on the thermometer.

In both cases, the data will be automatically transmitted to the App. After the measurement, the result will be displayed on the thermometer LCD screen and sent to the phone or tablet.



View 4



View 5

NOTE! If there is a discrepancy between the displayed temperature values in the Istel Health application and the ISTELE NC 300 BT thermometer, always take into account the temperature value displayed on the thermometer.

Note: Istel Health app updates may change the display of individual screens. If you have any questions, please contact the Helpline.

8. Error messages

Symbol	Description	Problem solving
Hi	Temperature reading above 43.0°C /109.4°F	Contact the service
Lo	Temperature reading below 34.0°C /93.2°F	Check the cleanliness of the measuring lens and, if necessary, clean it as described in point 6.
Err	Ambient temperature above device operating temperature 10.0-40.0°C (50.0-104.0°F)	Contact the service

9. Frequently asked questions about forehead measurement

1) Why should we perform forehead temperature measurements?

The temperature on the forehead corresponds to the temperature under the skin (within the arteries). This is the best method for measuring body temperature because the measurement is not affected by errors and time delay, as in the case of the oral and rectal methods.

2) How to measure temperature on the forehead correctly?

The thermometer should be pointed towards the centre of the forehead at a distance of 5 to 10 cm. The measurement site should not be obstructed (by hair, wig, hat or bandage). Otherwise the results may be affected. Press the "SCAN" button to obtain a result.

3) Why is the temperature measurement on the forehead more accurate than measurement in the ear?

When measuring on the forehead, we obtain the temperature radiated by the flow of arterial blood under the skin, and we do not have to worry about correct positioning. The measurement is gentle and non-invasive. Ear measurement is less accurate because the position of the probe in the ear canal affects measurement accuracy.

TEMPERATURE READINGS DEPEND ON THE UTILIZED METHOD

Measuring method	Normal temperature range	Temperature range with fever
Forehead	35.0~38.0°C (95.0~100.4°F) NOTE: For some adults temperature reading for may fall below 35.0°C (95.0°F)	Temperature above normal 0.6~0.8°C (1.0~1.5°F). We recommend using the infrared thermometer to determine the normal temperature value.

NORMAL BODY TEMPERATURE RANGE

Body temperature means the temperature inside the body. Correct body temperature means the body temperature of a healthy person and includes only slight fluctuations. The temperature measured in the evening is usually 0.5 °C higher than its value obtained in the morning, and is influenced by environmental factors, time of day and the level of activity of the examined person. The following table shows the average range of valid results. Read it to find out your own correct temperature range.

Correct temperature range in relation to the measurement site

Armpit	34,7-37,3°C	94.46-99.14°F
Mouth	35,5-37,5°C	95.90-99.50°F
Rectum	36,6-38,0°C	97.88-100.40°F
Ear	35,8-38,0°C	96.44-100.40°F

The correct temperature range in relation to age

0-2 years	36,4-38,0°C	97.52-100.40°F
3-10 years	36,1-37,8°C	96.98-100.04°F
11-65 years	35,9-37,6°C	96.62-99.68°F
Above 65 years	35,8-37,5°C	96.44-99.50°F

10. Technical specification

Model	ISTELE NC300 BT
Measurement range	Forehead 34,0-43,0°C (93.2-109.4°F) Surface 0,0-100,0°C (32.0-212.0°F)
Accuracy	±0,2°C/0.4°F 34,0-34,9°C (93.2-94.82°F) ±0,2°C/0.4°F 35,0-42,0°C (95.0-107.6°F) ±0,2°C/0.4°F 42,1-43,0°C (107.78-109.4°F)
Measurement time	2 seconds; minimum time between successive measurements on the same site is 2 seconds
Measurement range	5-10 cm from forehead
Resolution	0,1°C/0.2°F
Automatic switch off after 60 sec.	w ciągu 60 sekund
Memory	12 measurements
Fever alarm	Yes (from 37,8°C))
Operating condition	10-40°C (50-104°F) Relative humidity ≤80% Atmospheric pressure: 860-1060 hPa
Storage and transportation condition	-25-55°C (-13-131°F) Relative humidity: ≤95% Atmospheric pressure: 860-1060 hPa
Battery	2 × AAA
Protection against electric shock	Internally powered medical device
Classification	Type BF
Dimensions (main body)	Length 138 x Width 35 x Height 38 mm
Weight (inc. batteries))	76 g
Additional features	Backlight display
IP Classification	IP22: Protection against foreign solids 12.5 mm in diameter and above and protection against vertical drop water drips when the housing is inclined up to 15°.
Communication	Short-range low energy wireless connectivity
Recommended service maintenance	5 years
Package contents	Infrared thermometer, 2 x AAA batteries, storage case, instructions for use

SYMBOLS DESCRIPTION

	Batch code		Power supply
	Type BF applied part		Read the instructions for use
	Manufacturing date		Manufacturer
	Catalogue number		Medical device
Rev.	Last revision date		Temperature limit
	Warning		Humidity limit
	Keep dry	IP	Ingress Protection
	Unique device identifier		Limiting atmospheric pressure
	Keep away from sunlight		
	Used product and batteries should be taken to a waste collection point. Contains environmentally hazardous ingredients. Correct disposal of your device helps save valuable resources and avoid negative effects on health and the environment that could be endangered by inappropriate waste handling. If in doubt about where to return your used device, contact Diagnosis.		

INFORMATION REGARDING ELECTROMAGNETIC COMPATIBILITY (EMC) are available on website: diagnosis.pl/normy

HELPLINE DIAGNOSIS: +48 800 70 30 11, 85 874 60 45
SERWIS@DIAGNOSIS.PL

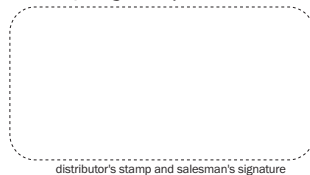
Diagnosis S.A.
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 15-113 Białystok, Polska
 Free Helpline: +48 800 70 30 11
info@diagnosis.pl
www.diagnosis.pl

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 Rev.2025.08.04 v.2_EN

WARRANTY CARD

Diagnosis S.A.
 ul. Gen. W. Andersa 38A
 15-113 Białystok, Polska
www.diagnosis.pl

MAIN SERVICE
 Diagnosis S.A.
 ul. Przemysłowa 8,
 16-010 Wasilków, Polska
 tel. 85 874 60 45
serwis@diagnosis.pl



DEVICE NAME **Thermometer**
 MODEL **ISTEL NC300 BT**
 SERIAL NUMBER.....
 SELL DATE

WARRANTY CONDITIONS

L.p.	date of reporting the fault	repair date	warranty extended to	description of activities	stamp and signature of the contractor

WARRANTY CONDITIONS

- Diagnosis S.A. provides warranty:
 - 24 months for the ISTEL NC300 BT thermometer
 - Equipment defects revealed during the warranty period will be rectified free of charge within 21 days. The deadline starts from the day the equipment is delivered to the service.
- The buyer has the right to replace the equipment for one free of defects if:
 - the repair was not carried out within the period specified in item 1 l
 - an authorized service centre has found that the defect cannot be rectified
 - four (4) repairs were carried out during the warranty period, and the equipment still exhibits defects prevent it from being used as intended.
- The term repair does not include activities related to controlling and cleaning the equipment.
- The warranty does not cover: batteries, products with illegible or damaged serial number, damage caused by failure to comply with the instructions or use and storage, penetration by liquids or foreign bodies, power surges in the mains, repairs performed by unauthorized persons and random events.
- The buyer should deliver faulty equipment to the address of the main service.
- The warranty on sold consumer goods does not exclude, limit or suspend the rights of the buyer arising from the lack of conformity of the goods with the contract.
- The only basis for warranty entitlements is the warranty card with the date of sale, stamp and signature of the seller. Warranty card which is not filled, incorrectly, contain traces of corrections and entries by unauthorized persons, illegible as a result of destruction – is invalid.