

Driven by the passion for innovation, we at Dr Trust endeavour to provide our customers with the latest medical inventions with an objective to promote good health and wellness all around the world. All the medical devices and health monitors provided by Dr Trust are supported by accurate, latest and ground breaking technologies, innovated at our headquarter in NY, USA. All our products adhere to the most stringent CE and FDA guidelines and are strongly recommended by doctors and health practitioners. Our products are designed in the utmost exemplary ways to ensure that their accuracy and convenience are unrivalled. The ease of their use and operation makes them evre suien motable for users of all age groups.

Dr Trust strives to enhance the quality of lifestyle by providing with the most trusted and innovative health care and wellness products. Being a renowned global leader in health care products, Dr Trust ensures that our technically efficient team works dynamically and tirelessly to provide the best of the medical devices to our clients. The products that we have to offer are suitably designed for use at homes, laboratories and hospitals.

Our ground breaking solutions allow you to monitor your health in the easiest ways possible. In today's era when all of our lives are too hassled to handle, it becomes a bit difficult to pay attention to our health. But it has now become easier with the coming of the monitoring devices which can be conveniently used at homes and even on the go.

We bring to you a variety of best self medical devices, trusted and used by Doctors, medical professionals and home users all over the world.

Non-Contact Infrared Thermometer-615

QUICK STARTUP GUIDE

Step 1

Install batteries and turn on the thermometer by pressing the Measure button.

Step 2

Adjust multifunctional settings like mode, unit, and memory recall etc as per your needs and preferences.

Step 3

Keep the infrared thermometer about 3-5 cm away from the forehead or object.

Step 4

Press the Measure button to gauge temperature.

Step 5

Read the temperature value (within 1 second) when the beep is heard.



615

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1. Keep out of reach of children under 12 years.
2. Never immerse the thermometer into water or other liquids (not waterproof). For cleaning and disinfecting please follow the instructions in the "Care and cleaning" section.
3. Never use the thermometer for purposes other than those it has been intended for. Please follow the general safety precautions when using on children.
4. Keep the thermometer away from direct exposure to the sun and keep it in a dust- free, dry area, well-ventilated place at a temperature between 10°C (50°F)-40°C (104°F). Do not use the thermometer in high humidity environments. (>95% RH)
5. Do not use the thermometer if there are signs of damage on the measuring sensor or on the instrument itself. If damaged, do not attempt to repair the instrument!
6. This thermometer consists of high-quality precision parts. Do not drop the instrument. Protect it from severe impact and shock. Do not twist the instrument or the measuring sensor.
7. Please consult your doctor if you see symptoms such as unexplained irritability, vomiting, diarrhea, dehydration, changes in appetite or activity, seizure, muscle pain, shivering, stiff neck, pain when urinating, etc., even in the absence of fever.
8. Even in the absence of fever, those who exhibit a normal temperature may still need to receive medical attention. People who are on antibiotics, analgesics, or antipyretics should not be assessed solely on temperature readings to determine the severity of their illness.
9. Temperature elevation may signal a serious illness, especially in adults who are old, frail, have a weakened immune system, or neonates and infants. Please seek professional advice immediately when there is a temperature elevation and if you are taking temperature for whom are:



- Over 60 years of age (Fever may be blunted or even absent in elderly patients)
 - Having diabetes mellitus or a weakened immune system (e.g., HIV positive, cancer, chemotherapy, chronic steroid treatment, splenectomy)
 - Bedridden (e.g., nursing home patient, stroke, chronic illness)
 - A transplant patient (e.g., liver, heart, lung, kidney)
10. This thermometer is not intended for pre-term babies or small-for-gestational age babies. This thermometer is not intended to interpret hypothermic temperatures. Do not allow children to take their temperature unattended.
 11. Use of this thermometer is not intended as a substitute for consultation with your physician or pediatrician. It is for household use only.
 12. Clean the thermometer probe after each use.
 13. Do not use the thermometer on newborns or for continuous temperature monitoring purposes.
 14. Do not take a measurement while or immediately after nursing a baby.
 15. Patients should not drink, eat, or be physically active before/while taking the measurement.

2. PRODUCT DESCRIPTION

1) OVERVIEW

Dr Trust Non-contact Forehead Infrared Thermometer- 615 measures the body temperature based on the infrared energy emitted from the forehead. Users can quickly get measurement results after properly scanning the forehead.

Normal body temperature is a range. The following tables show that this normal range also varies by site. Therefore, readings from different sites should not be directly compared. Tell your doctor what type of thermometer you used to take your temperature and on what part of the body. Also bear this in mind if you are diagnosing yourself.

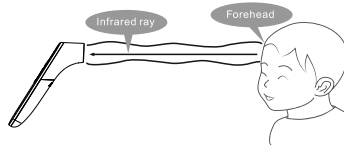
Different Body Parts	Measurements
Forehead Temperature	36.1°C to 37.5°C (97°F to 99.5°F)
Ear Temperature	35.8°C to 38°C (96.4°F to 100.4°F)
Oral Temperature	35.5°C to 37.5°C (95.9°F to 99.5°F)
Rectal Temperature	36.6°C to 38°C (97.9°F to 100.4°F)
Axillary Temperature	34.7°C–37.3°C (94.5°F–99.1°F)

2) STRUCTURE

The thermometer consists of a shell, an LCD, a measure button, a beeper, an infrared temperature sensor, and a Microprocessor.

3) OPERATING PRINCIPLE

The infrared temperature sensor collects infrared energy emitted by the skin surface. After being focused by a lens, the energy is converted into a temperature reading by the thermopiles and measurement circuits.



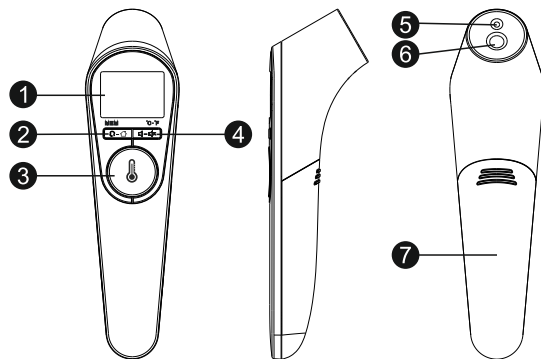
4) INDICATIONS FOR USE

The Non-contact Infrared Thermometer is intended for the measurement of human body temperatures. The forehead mode is indicated for people of all ages.

3. FEATURES

- Non-Contact Design, Safe and more hygienic to use.
- Quick measurement, less than 1 second
- Accurate and reliable
- Measured spot LED Tracking light.
- Easy operation, one button design
- Multi-functional, can measure forehead, room, milk, water, and object temperature.
- 35 sets of memories, easy to recall
- Switching between mute and un-mute mode
- Fever alarm function, displayed in orange and red light.
- Switching between °C and °F
- Auto shut-down and power-saving

4. PRODUCT STRUCTURE

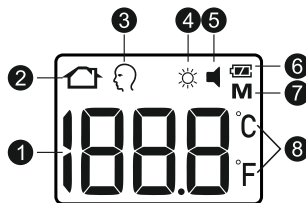


1. LCD display screen
2. Mem (Memory Recall)
3. Measure button
4. Mute-unmute button (or °C/°F conversion)
5. LED Tracking light
6. Sensor
7. Battery cover



5. DISPLAY DESCRIPTION

1. Temperature value
2. Object temperature mode
3. Forehead temperature mode
4. Back light
5. Mute/Un-mute
6. Battery level
7. Memory recall
8. Fahrenheit/Celsius degrees



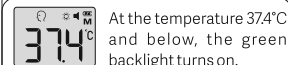
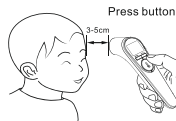
6. HOW TO USE YOUR THERMOMETER

When using the thermometer for the first time, please load the batteries.

1) Take your forehead temperature

Measure Button

Press the Measure button to power on. Only aimed at forehead in the distance of 3-5 cm, no need of contacting skin, pressed to measure body temperature, the beep is heard, you can now read the value.



At the temperature 37.4°C and below, the green backlight turns on.



At the temperature 37.5°C and above, the red backlight turns on.

NOTE: The forehead measurement is an indicative reading. The measured forehead temperature can fluctuate up to 1 °F/0.5 °C from your actual body temperature. Please be aware of the factors that influence the accuracy as described in the section "Temperature taking tips" and "WARNINGS AND PRECAUTIONS".

- ⚠ If the eyebrow area is covered with hair, sweat or dirt, please clean the area beforehand to improve the reading accuracy.
- ⚠ Always check if the lens is clean.
- ⚠ Always make sure the user and the thermometer will have been in the same room for at least 30 minutes prior to the measurement.

2) Take room/object temperature

When the thermometer is power off, press the "Mem button" for 3 seconds, then thermometer enters to room/object mode.

Then press "Measure button" to measure room/object.

Keep the thermometer about 3-5 cm away from the object. Press and release the Measure button in 1 second, the beep is heard, you can now read the value.

MEM



Measure button



3) After a measurement

Once the reading has been completed, remove the thermometer away from the forehead and observe temperature.

After each measurement, you can enter the recall mode and query earlier temperature readings.



Dr Trust[®]

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⚠ Do not hold the thermometer for a long time, because it is sensitive to the ambient temperature.

⚠ After each measurement, clean the temperature probe with a soft cloth, and put the thermometer in a dry and well-ventilated place.

⚠ It is dangerous to make a self-diagnosis or self-treatment based on the obtained measurement results. For such purposes, please consult a doctor.


4) Read your temperature

Indicates a temperature reading. In body (human) mode.

1. If $32^{\circ}\text{C} \leq T \leq 37.4^{\circ}\text{C}$ ($89.6^{\circ}\text{F} \leq T \leq 99.3^{\circ}\text{F}$), the green light will last for 3 seconds, with one long beep.
2. If $37.5^{\circ}\text{C} \leq T \leq 43.0^{\circ}\text{C}$ ($99.5^{\circ}\text{F} \leq T \leq 109.4^{\circ}\text{F}$), the red light will last for 3 seconds, with 10 short beeps, which is a warning that you may have a fever.

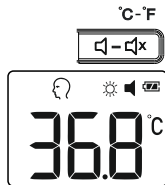
5) Switching between mute and un-mute

When the thermometer is turned on, keep short pressing the Mute-unmute button for less than 1 second, to switch from un-mute to mute.

If un-mute was set, then speaker icon  will be disappeared

6) Checking 35 sets of memory data & memory clear

When the thermometer is turned on, by short pressing the Mem to go to the memory mode, press this button again to check the 35 sets of memories one by one. If no value, it will display "--M".



Memory clear:

Memory can be clear by pressing and holding "MEM + Measurement button" 3 seconds when the thermometer is turned off

7) °C/°F conversion

When the thermometer is turned on, keep long pressing the "°C-°F button" for 8 seconds, to change the °C/°F.



8) To turn off

The unit will shut down automatically after 10 seconds of no use. Or you can keep pressing the Measure button for 2 seconds.

9) Replace the battery.

Slide the battery cover off along the marked direction. Put two AAA batteries correctly into the compartment.

⚠ Remove the batteries if the thermometer will not be used for more than two months.

7. TEMPERATURE TAKING TIPS

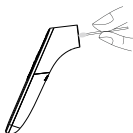
- 1) Please note that this unit reads 0.5°C (0.9°F) lower than a rectal digital thermometer.
- 2) Holding the thermometer for too long in the hand before taking a measurement can cause the device to warm up. This means the measurement could be incorrect.
- 3) Patients and the thermometer should stay in steady-state room condition for at least 30 minutes.






- 4) Before placing the thermometer sensor onto the forehead, remove dirt, hair, or sweat from the forehead area. Wait 10 minutes after cleaning before taking measurement.
- 6) Use an alcohol swab to carefully clean the sensor and wait for 5 minutes before taking a measurement on another patient. Wiping the forehead with a warm or cool cloth may impact your reading. It is advised to wait 10 minutes before taking a reading.

8. CARE AND CLEANING

Use an alcohol swab or cotton swab moistened with 70% alcohol to clean the thermometer casing and the measuring probe. After the alcohol has completely dried out, you can take a new measurement. Ensure that no liquid enters the interior of the thermometer. Never use abrasive cleaning agents, thinners or benzene for cleaning and never immerse the instrument in water or other cleaning liquids. Take care not to scratch the surface of the LCD screen.



9. ERROR AND TROUBLESHOOTING

Symptom	Possible Cause	Description & Solution
Failed to power on.	The battery level is too low.	Replace with a new battery
	Polarities of the batteries are reversed.	Ensure the batteries are in the right position
	The thermometer is damaged	Contact dealer
The reading is too low	The lens of the probe is dirty.	Clean the lens with a cotton swab.
	The distance of the item and target is too far	Keep the thermometer in contact with forehead, or put the probe into the Ear Canal.
	You have just come from a cold environment	Stay in a warmer room for at least 30 minutes before taking a reading
The reading is too high	You have just come from a hot environment	Stay in an adequately cool room for at least 30 minutes before taking a reading
	The ambient temperature is too high	3 short beeps and red backlight for 3 seconds, ambient temperature is higher than 40°C (104°F).
	The ambient temperature is too low	3 short beeps and red backlight for 3 seconds, ambient temperature is lower than 15°C (59.0°F).
	In body(human) mode, T > 43.0°C (109.4°F)	3 short beeps and red backlight for 3 seconds.



	In body (human) mode, T < 32°C (89.6°F)	3 short beeps and red backlight for 3 seconds
	2.5V±3% power voltage ≤2.6V±3%	The battery level is low, it suggests you replace the battery, but you can continue to use it.
	The power voltage is lower than 2.5V± 3%.	It will turn off automatically after 30 seconds. Please replace with a new battery

10. SPECIFICATIONS

Power supply	DC1.5V*2	
Measurement range	Forehead: 32.0°C–42.9°C (89.6°F–109.2°F)	
	Object: 0-100.0°C(32-212.0°F)	
Accuracy (Laboratory)	Body (human) mode	±0.2°C/±0.4°F
	Object mode	±1.0°C/1.8°F
Display resolution	0.1°C/°F	
Automatic shutdown	8s±1s	
Memory	35 groups of measured temperature.	
Operational conditions	Temperature: 10°C-40°C (50°F-104°F) / Humidity: 15-95%RH, non-condensing Atmospheric pressure: 86-106 kPa	
Storage temperature & humidity	Temperature: -20 °C to +50 °C (-4 °F to 122 °F) Humidity: 15-95 % relative maximum humidity	

Battery	2*AAA, can be used for more than 3000 times
Weight & Dimension	67g (without battery),164×43×48mm
Reference Standard	ISO 80601-2-56:2017 & EN12470-5:2003 IEC 60601-1:2005+A1:2012;IEC 60601-1-2:2014

11. SYMBOL

Symbol	Discription
	Type BF applied part.
	Information about a manufacturer
	Please read the instructions carefully.
	Waste electrical materials should be sent to a dedicated collection point for recycling.
SN	Serial number
LOT	Batch number
	IMPORTANT Inaccurate reading or thermometer damage may occur if the thermometer is not correctly used.
IP22	2 Protected against solid foreign objects of 12,5 mm Ø and greater. 2 If keep the thermometer in 15-degree angle, it still can prevent the water drop.



● 12. EMC INFORMATION ●

Guidance and manufacturer's declaration-electromagnetic emissions		
The Dr Trust Non- Contact Infrared Thermometer- 615 is intended for using in the electromagnetic environment specified below. The user Of thermometer should assure that it is used in such an environment.		
Emissions test	Compliance	Electromagnetic environment-guidance
RF emissions CISPR 11	Group 1	The Dr Trust Non- Contact Infrared Thermometer- 615 uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause and interference in nearby electronic equipment.
RF emissions	Class B	The Dr Trust Non- Contact Infrared Thermometer- 615 is suitable for use in all establishments other than domestic and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.
Harmonic emissions IEC	N/A	
Voltage fluctuations /flicker	N/A	

Guidance and manufacturer's declaration-electromagnetic immunity		
The Dr Trust Non- Contact Infrared Thermometer- 615 is intended for use in the electromagnetic environment specified below. The user of the thermometer should assure that it is used in such an environment.		

Immunity test	IEC60601 test level	Compliance level	Electromagnetic environment
Electrostatic discharge (ESD) IEC 61000-4-2	±2, ±4, ±6kV for Contact discharge ±2, ±4, ±8kV air discharge	±2, ±4, ±6kV for Contact discharge ±2, ±4, ±8kV air discharge	Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%.
Electrical fast transient/burst IEC 61000-4-4	±2 kV for a.c. power lines ±1 kV for d.c. power lines	N/A	Mains power quality should be that of a typical commercial or hospital environment.
Surge IEC 61000-4-5	±1 kV line(s) to line(s) ±2 kV line(s) to earth	N/A	Mains power quality should be that of a typical commercial or hospital environment.
Voltage dips, short interruptions and voltage variations in power supply input lines IEC 61000-4-11	<5%UT (>95 dip inUT) for 0.5 cycle 40%UT (60% dip inUT) for 5 cycles 70% UT (30% dip in UT) for 25 cycles <5%UT (>95% dip inUT for 5 s	N/A	Mains power quality should be that of a typical commercial or hospital environment. If the user of the infrared thermometer requires continued operation during power mains interruptions, it is recommended that the infrared thermometer be powered from an uninterrupted power supply or a battery.




Power frequency (50/60Hz) magnetic field IEC 61000-4-8	3 A/m	3 A/m	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.
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NOTEUT is the a.c. mains voltage prior to application of the test level.

Guidance and manufacturer's declaration-electromagnetic immunity

The Dr Trust Non-Contact Infrared Thermometer- 615 is intended for use in the electromagnetic environment specified below. The user of the thermometer should assure that it is used in such an environment.

Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment guidance
Conducted RF IEC 61000-4-6	3Vrms 150kHz to 80MHz	N/A	Portable and mobile RF communications equipment should be used no closer to any part of the infrared thermometer including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter. Recommended separation distance $d=1.2 P$

Radiated RF IEC 61000-4-3	3V/m 80kHz to 2.5GHz	3V/m	$d=1.2 P$ 80MHz to 800MHz $d=2.3 P$ 800MHz to 2.5MHz Here P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and d is the recommended separation distance in meters (m). Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey, should be less than the compliance level in each frequency range. Interference may occur in the vicinity of equipment marked with the following symbol: 
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NOTE 1 At 90MHz and 800MHz, 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.



a

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 thermometer is used exceeds the applicable RF compliance level above, the thermometer should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as reorienting or relocating the thermometer.

b

Over the frequency range 150kHz to 80 MHz, field strengths should be less than 3V/m.

Recommended separation distances between portable and mobile RF communications equipment and the infrared thermometer

The Dr Trust Non-Contact Infrared Thermometer- 615 is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of the infrared thermometer can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the infrared thermometer as recommended below, according to the maximum output power of the communications equipment.

Rated maximum output power of transmitter		Separation distance according to frequency of transmitter	
Rated maximum output power of transmitter	150kHz to 80MHz $d = 1.2 P$	80MHz to 800MHz $d = 1.2 P$	800MHz to 2.5GHz $d = 2.3 P$

0.01	0.01	0.12	0.23
0.1	0.1	0.38	0.73
1	1	1.2	2.3
10	10	3.8	7.3
100	100	12	23

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

NOTE 1 At 80MHz and 800MHz, 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.



CONTACT ADDRESS

USA

Nureca INC.USA

276 5th Avenue, Suite 704-397,

New York (NY) - 10001, USA

INDIA

Corporate Office (Mumbai)

Nureca Limited

Office No. 101, 1st Floor, Udyog Bhavan

Sonawala Lane, Goregaon East

Mumbai, Maharashtra - 400063, India.

Contact us

India: +91-7527013265 /+91-9356658436

Website: www.drtrust.in

Corp Website: www.nureca.com

Email: customercare@nureca.com

Connect with us on social networks

Facebook: @drtrust

Instagram: @drtrustisin

Youtube: NurecaUsa

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