EN Digital Clinical Thermometer – Nuvita 1015

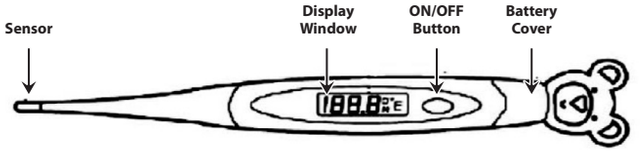
INSTRUCTION FOR USE

Please read carefully before using

FEATURES

- Fast oral and rectal temperature measurement in around 30 seconds with proper use.
- Memory displays for the last temperature taken.
- Easy to read digital LCD display.
- It will automatically shut off in about 9 minutes, if left on.
- Low battery indicator.
- This unit is waterproof.

PARTS DESCRIPTION



Range:	32,0~43,9°C (90~109,9°F)
	Below 32,0°C (90,0°F) displays L°C °F)
	Above 43,9°C (109,9°F) displays H°C (°F)
Resolution:	0,1 °C (°F)
Accuracy:	±0,1°C (da 34,0°C a 42,0°C); ±0,2°C (other range)
	±0,2°F(da 93,2°F a 107,6°F); ± 0,4°F (other range)
Display:	Liquid crystal display 3 1/ 2 digits
Battery: (included)	Micro Alkaline Battery 192, LR41 1,55V
Power Consumption:	0,15 milliwatt in measurement mode
Battery Life:	More than 200 hours of continuous operation
Dimension:	150mm x 32mm x 15mm
Weight:	Approx. 18 grams including battery
Beeper:	Approx. 8 seconds sound signal when peak temperature reached
Memory:	Built-in memory enabling display of previously measurement value
Working Conditions:	Temperature: 10 ~ 40°C(50 ~ 104°F) Relative humidity: 15 ~ 95% non condensing
Storage Conditions:	Temperature: -20~ 60°C(-4 ~ 140°F) Relative humidity: 15 ~ 95% non condensing
Guarantee of Quality:	Certification ISO 13485 Comply with ASTM-E1112, EN12470-3, EN60601-1
Product Classification:	Type BF equipment

PRECAUTIONS

- For best results, do not use the fast read thermometer for axillary (underarm) measurement. Only use it for taking oral and rectal temperatures.
- Do not boil the probe. Instead, clean the unit by wiping it with a dry cloth and disinfect the probe with ethyl (rubbing) alcohol.
- Do not drop the thermometer or expose to heavy shock. The unit is not shock proof.
- Do nor bend or bite the probe.
- Do not store the unit in direct sunlight, or at a high temperature, or in high humidity or dust. Performance may be degraded.
- Stop using the thermometer if it operates erratically or if display malfunctions.
- Keep out of the reach of unsupervised children.
- Clean the thermometer probe before storing.
- Do not attempt to disassemble the unit except to replace the battery.
- If the thermometer has been stored at below-freezing temperatures, allow the thermometer to warm naturally to room temperature before using.
- Performance of the device may be degraded if operated or stored outside stated temperatures and humidity ranges or the patient's temperature is below the ambient (room) temperature.

BATTERY REPLACEMENT

1. When the symbol "▬", appears, the battery needs to be replaced.
2. Pull the battery cover off in the direction shown.
3. If necessary, use a pointed object such as a toothpick or insulated probe to pry loose the battery cover and the old battery.
   Avoid using any sharp metal object in this operation.
4. Place a new battery into the battery holder.
5. Replace and fasten the battery cover securely.

WARNING:

1. Discard old battery carefully, out of reach of young children. Swallowing the battery may be fatal. If the battery swallowed, contact a hospital immediately to have it removed. Do not dispose of the battery in a fire. It may explode.
2. For battery disposition, please consider the national regulation.

HOW TO USE:

1. Disinfect the probe with ethyl (rubbing) alcohol before using.
2. Depress the ON/OFF button. The display will read 88.8°C or 88.8°F
3. Release the power switch and the display will show L°C (L°F) with °C(°F).
4. Place the probe in the appropriate position (oral, axillary or rectal).
5. Once the degree sign °C(°F) on the display has stopped flashing, the correct temperature is indicated.
   The temperature reading will not change after the °C(°F) stops flashing.
6. The unit will automatically turn off in 9 minutes (approx.). However, to prolong battery life, it is best to turn the thermometer off by pressing the ON/OFF button once the temperature has been noted.

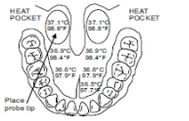
Special features:

Normal Temperature Alarm: An alarm will sound when the peak temperature has registered and is ready-to-read. The "Normal Temperature" alarm (four quick beeps followed by a pause) will sound repeatedly for approximately 8 seconds.
For Models with Fever Alarm: If the temperature registers higher than 37.5°(99.5°F), the fever alarm(a quick beeping sounds which occurs continuously for about 8 seconds) will sound when the peak temperature has registered. Also, the result will keep flashing until the thermometer is turned off.
For Switchable Centigrade and Fahrenheit Models: After turning on the thermometer, the Centigrade or Fahrenheit mode can be switched within the firs 5 seconds by pressing the ON/OFF button.
NOTE: Always disinfect before using.

RELIABLE METHODS

THE TAKING OF BODY TEMPERATURE:
Change in body temperature is one of the most important indicators of illness. It is important that accurate temperatures be taken. Even though the digital thermometer is used in similar manner to the glass thermometer, it is important that the simple instructions for use of this thermometer be followed closely and that the person taking the temperature understands body temperature.

ORAL USE



Place the probe well under the patient's tongue. Instruct the patient to keep their mouth closed while the thermometer is reading.
A normal temperature by this method is usually considered between 36.0°C to 37.5°C(96.8°F to 99.5°F).

RECTAL USE

If rectal temperature is recommended by your doctor, you may use a probe shield. Insert thermometer into the probe shield. Lubricate the probe cover with a water soluble jelly for easier insertion. Do not use petroleum jelly. Insert tip of probe no more than ½ inch into rectum. STOP if you meet any resistance. The sensing unit is on the very tip of the probe and there is no need to insert the probe deep into the rectum. In general, the rectal temperature is around 0.5°C to 1.0°C (1.0°F to 2.0°F) higher than oral temperature.

AXILLARY USE

Wipe armpit with a dry towel. Place probe in the patient's armpit and keep the patient's arm pressed firmly against the body. In general, the axillary temperature is around 0.5°C to 1.0°C (1.0°F to 2.0°F) lower than oral temperature. Note that in order to achieve better axillary temperature measurement result, a minimum measuring time of 3-5 minutes is recommended regardless of the beep sound.
NOTE: Children should be attended by an adult during the entire temperature recording process. After use, the digital thermometer should be stored in a safe place, out of reach of young children. If you compare temperatures between two thermometers, it is possible to have two different readings even if both thermometers are within their accuracy tolerance. Differences in how you take each reading and the thermometer's tolerance range can account for nearly 0.1°C (0.2°F) variability.

ERROR INDICATIONS

Hi °C	P: If the temperature is more than 43°C/109°F, the LCD display "Hi". S: Recheck the measured object before measuring again.
Lo °C	P: If the temperature is below that 32°C/89.6°F the LCD will keep displaying "Lo". S: Recheck the measured object before measuring again.
▮	P: Informing battery replacement time S: Replace the battery
Err	P: If the thermometer has some problems and can't measure temperatures, the LCD will display "Err" S: Check battery and measure again.

P: Problem - **S**: Solution

CLEANING INSTRUCTIONS

To clean the thermometer, wash the tip with a solution of mild detergent and cool water. Disinfect the thermometer by wiping the sensor and lower stem with a cloth dipped in a household antiseptic solution as rubbing alcohol.

LIMITED WARRANTY

This thermometer is guaranteed for one year from the date of purchase against manufacturer's defect under normal, household use. Following the directions closely will ensure years of dependable operation. If the thermometer does not function properly, first check the batteries (see battery replacement instructions). Replace it if necessary.

GUIDANCE AND MANUFACTURER'S DECLARATION

Portable and mobile RF communications equipment can affect this device. The user of this device needs special precautions regarding EMC and needs to be installed and put into service according to the EMC information provided in the guidance in the guidance provided below.

ELECTROMAGNETIC EMISSION		
The Digital Thermometer is intended for use in the electromagnetic environment specified below. The costumer or the user of the digital Thermometer should assure that it is used in such an environment.		
Emission Test	Compliance	Electromagnetic Environment Guidance
RF Emission CISPR 11	Group 1	The Digital Thermometer uses RF energy only for its internal functions. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.
RF Emission CISPR 11	Class B	The Digital Thermometer is suitable for use in all establishment other than domestic and those directly connected to the public low voltage power supply network that supplies buildings used for domestic purposes.
Harmonic Emission IEC 61000-3-2	Not Applicable	
Voltage fluctuations / flicker emission IEC 61000-3-3	Not Applicable	

ELECTROMAGNETIC IMMUNITY			
The Digital Thermometer is intended for use in the electromagnetic environment specified below. The costumer or the user of the Digital Thermometer should assure that it is used in such an environment.			
Immunity test	IEC 60601 Test level	Compliance level	Electromagnetic Environment - Guidance
Electrostatic discharge (ESD)	± 6 kV Contact ± 8 kV Air	± 6 kV Contact ± 8 kV Air	Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%.
Electrostatic discharge (ESD) IEC 61000-4-2	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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Immunity test	IEC 60601 Test level	Compliance level	Electromagnetic Environment - Guidance
Radiated RF IEC 61000-4-3	3 V/m da 80MHz a 2,5GHz	3 V/m	Portable and mobile RF communications equipment should be used no closer to any part of the Digital Thermometer, including cables, than recommended separation distance calculated from the equations applicable to the frequency of the transmitter. **Recommended separation distance** D = da 1,2√P 80 MHz a 800 MHz d = da 2,3√P 800 MHz a 2,5 Ghz Where 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. IInterference may occur in the vicinity of equipment marked with the following symbol:
NOTE 1 At 80 MHz e 800 MHz, 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 Fields strengths from fixed transmitter, such as base station for radio (cellular / cordless) telephones and land mobile radio, 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 Digital Thermometer is used exceeds the applicable RF compliance level above, the Digital 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 Digital Thermometer. b. Over the frequency range 150kHz, field strengths should be less then 3 V/m.			

NOTE: The symbol on this product means that it is an electronic product and following the European directive 2002/96/EC. The electronic products have to be disposed at your local recycling centre for safe treatment.

WARRANTY - TERMS AND CONDITIONS

This product benefits of a warranty of 24 months on material and manufacturing defects, starting from the date of purchase (see sales slip).
The warranty of 24 months does not include damages caused by the usual use of parties identified as "consumable" (e.g., batteries, brush heads or parts subject to usury).
The legal guarantee of 24 months is void if:

1. The product has undergone aesthetic damage due to improper use not in accordance with instructions in the manual.
2. This product has been modified and/or tampered with.
3. The cause of the failure was due to poor maintenance of the individual components and/or accessories and/or supplies (e.g. oxidation and/or scaling due to the retention of water or other liquids, sediment blocking the sensor, leak of corrosive liquid from batteries).

The following is excluded from the legal guarantee of 24 months:

1. Costs related to replacements and/or repair of parts subject to wear or costs for ordinary maintenance of the product.
2. The costs and risks involved in transporting the product to and from the store where you purchased or otherwise authorized collection centre to receive the products under warranty.
3. Damage caused by or resulting from improper installation or improper use not in accordance with the directions in the instruction manual.
4. Damage due to natural disasters, accidental events or adverse conditions not compatible with the product.
5. Defects that have a negligible effect on product performance.

The manufacturer, distributor and all the parties involved in the sale do not assume any liability for losses and economic damage from any malfunction of the product. In accordance with current regulations the manufacturer, distributor and all the parties involved in the sale are not responding in any case for damages, including direct, indirect ones, loss of net income, loss of savings and additional damage and other details consequences going beyond the damage caused by the breach of warranty, contract, strict liability, wrongdoing or due to other causes, resulting from the use or inability to use the product and/or paper and electronic documents, including the lack of service.

For further information on the help service visit the website www.nuvitababy.com