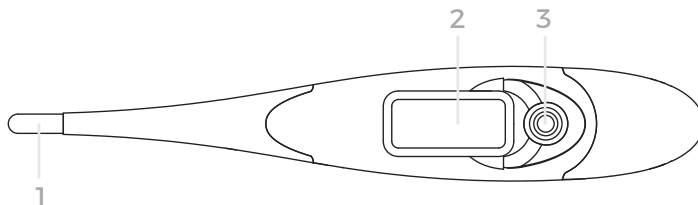


# Alecto

**BC20**  
Instruction manual

## IMPORTANT USER TIPS

### HOUSEHOLD USE ONLY • READ ALL INSTRUCTIONS BEFORE USE



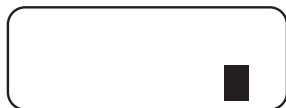
1. Temperature sensor
2. LCD display
3. On/ Off button



Temperature display



Temperature memory display



Battery indication

### Introduction

This Alecto BC20 thermometer is a digital thermometer developed to take your temperature as simply and accurately as possible. The digital thermometers are intended to measure the human body temperature in regular mode orally, rectally and under the arm. And the devices are reusable for clinical or home use on people of all ages, including children under 8 years old with adult supervision. In order to get the most reliable results, these instructions must be followed accurately. For the most accurate temperature reading, we recommend using the thermometer rectally. Although the generally accepted 'normal' temperature is 37.0°C, body temperature can vary from 36.1°C to 37.2°C. Fluctuations in temperature can be due to activities such as sports, smoking, eating and drinking, and also depend on the part of the body where the temperature is taken. When measured orally, the body temperature is generally 0.5°C lower than when measured rectally, while a temperature measured under the armpit is 1.0°C lower. Your temperature is lower in the morning than in the evening.

## Specifications

Temperature range	32.0°C - 42.9°C
Accuracy	±0.1°C for 35.5°C~42.0°C at 18°C~28°C ambient operation ±0.2°C for other measurement ranges and ambient operation
Memory	For storing the last measured value
Battery	1x 1.5 V DC. Button battery (size LR41 or SR41, UCC 392)
Battery life	Approx. 200 hours of continuous operation or 1 year with 3 measurements per day
Dimension	13.9 x 2.3 x 1.3 cm (L x W x H)
Weight	Approx. 13 grams incl. battery
Expected service life	3 years
Ambient operating range	Temperature: 5°C~40°C Relative humidity: 15%~95% RH Atmospheric Pressure : 700hPa ~ 1060hPa
Storage and transportation condition	Temperature: -20°C~55°C Relative humidity: 15%~95%RH Atmospheric Pressure : 700hPa ~ 1060hPa
Ingress protection rating	IP27, The first num.2:Protected against solid foreign objects of 12.5 mm and greater. The second num.7:Protected against the effects of temporary immersion in water
Classification	Type BF

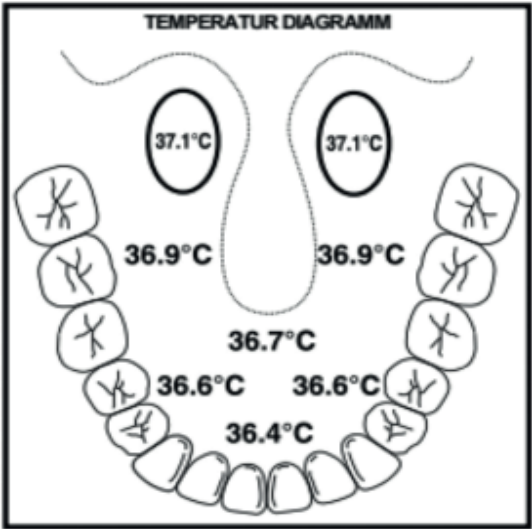
## Measuring your temperature

1. Press the ON/OFF key once to activate the thermometer. You will hear a beep.
2. The display shows in succession: '188.8°C' the last measured temperature '37,0' (for internal calibration) 'LO' and flashing "C" (\*)
3. Place the thermometer in the chosen body part to measure your temperature.
4. When you hear beeps (in approximately 10 seconds), your temperature has been recorded.
  - If your body temperature is normal, you will hear 10 beeps
  - if your body temperature is above normal (≥37.8°C), you will hear 10x3 beeps.
5. Press the ON/OFF key to switch off the thermometer. (The thermometer will switch off automatically after approx. 10 minutes).

\*: If the room temperature is higher than 32.0°C, the room temperature will be shown instead of 'Lo'.

Measurement under the tongue:

Place thermometer under the tongue, as far back as possible to the left or right.  
A temperature taken under the tongue is approx. 0.5°C lower than when taken rectally.




Measurement under the arm:

Make sure the armpit is dry and place the thermometer under the arm. The sensor must touch the skin. Keep your arm crossed in front of your chest.  
A temperature taken under the tongue is approx. 1.0°C lower than when taken rectally.

Rectal measurement

Insert the thermometer sensor gently (maximum 1.25 cm).

Troubleshooting

Error Message	Problem	Solution
Lo	Temperature taken is lower than 32.0°C	Turn off, wait one minute and take a new temperature via close contact and sufficient
Hi	Temperature taken is higher than 42.9°C	Turn off, wait one minute and take a new temperature via close contact and sufficient
Err	The system is not functioning properly	Unload the battery, wait for 1 minute and repower it. If the message reappears, contact the retailer for service
	Dead battery: Battery icon is flashing, can't be measurable	The battery cannot be replaced. Please replace the complete thermometer.

## Storage and cleaning

Clean the thermometer before and after use, using a soft cloth and alcohol, or cold soapy water. The thermometer may be briefly immersed in water or alcohol (do not soak or sterilize). Store the thermometer in the special case.

## CE

The declaration of conformity is available at:  
[https://commaxx-certificates.com/doc/bc20\\_doc.pdf](https://commaxx-certificates.com/doc/bc20_doc.pdf)

## Disposal of the device



At the end of the product lifecycle, you should not throw this product into the normal household garbage but bring the product to a collection point for the recycling of electrical and electronic equipment's.

## Warnings:

- Read instructions thoroughly before using digital thermometer.
- Choking Hazard: Thermometer cap and battery may be fatal if swallowed. Do not allow children to use this device without parental supervision.
- Do not use thermometer in ear. Designed use is for oral, rectal, and armpit (axilla) readings only.
- Do not place thermometer battery near extreme heat as it may explode.
- Remove battery from the device when not in operation for a long time.
- The use of temperature readings for self-diagnosis is dangerous. Consult your doctor for the interpretation of results. Self-diagnosis may lead to the worsening of existing disease conditions.
- Do not attempt measurements when the thermometer is wet as inaccurate readings may result.
- Do not bite the thermometer. Doing so may lead to breakage and/or injury.
- Do not attempt to disassemble or repair the thermometer. Doing so may result in inaccurate readings.
- After each use, disinfect the thermometer especially in case the device is used by more than one person.
- Do not force the thermometer into the rectum. Stop insertion and abort the measurement when pain is present. Failure to do so may lead to injury.
- Do not use thermometer orally after being used rectally.
- For children who are two years old or younger, please do not use the devices orally.
- If the unit has been stored at temperatures over 5°C~40°C, leave it in 5°C~40°C ambient temperature for about 15 minutes before using it.
- 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.
- 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 [ME EQUIPMENT or ME SYSTEM], including cables specified by the MANUFACTURER. Otherwise, degradation of the performance of this equipment could result.
- It is not intended for use in the oxygen rich environment and presence of

flammable anesthetic mixture with air, oxygen or nitrous oxide.

- Do not put the thermometer in direct sunlight or with cotton wool, otherwise the accuracy will be affected.
- ME equipment should not be cleaned and disinfected while in use.
- Any serious incident that has occurred in relation to the device should be reported to the manufacturer and the competent authority of the Member State in which the user and/or patient is established.

### Warranty

For the Alecto BC20 thermometer you have a warranty of 24 months from the date of purchase. During this period, we guarantee the free repair of defects caused by material and workmanship errors. All this subjected to the final assessment of the importer.

HOW TO HANDLE: If you notice any defect, first refer to the user's manual. Please contact the supplier of this thermometer or contact customer service of Alecto via the Internet [www.alecto.nl](http://www.alecto.nl)

THE WARRANTY BECOMES NULL AND VOID: In case of improper use, incorrect connections, leaking and/ or incorrectly installed batteries, use of unoriginal parts or accessories, negligence and in case of defects caused by moisture, fire, flooding, lightning and natural disasters. In case of unauthorized modifications and/or repairs performed by third parties. In case of incorrect transportation of the device without adequate packaging and when the device is not accompanied by this warranty card and proof of purchase. All further liability, especially concerning any consequential damages, is excluded.

### **Declaration of Conformity**

Hereby, Commax declares that the radio equipment type Alecto BC20 is in compliance with directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address:  
[https://commaxx-certificates.com/doc/bc20\\_doc.pdf](https://commaxx-certificates.com/doc/bc20_doc.pdf)

JOYTECH Healthcare Co., Ltd. No.365, Wuzhou Road, 311100 Hangzhou, Zhejiang Province, PEOPLE'S REPUBLIC OF CHINA. Model DMT4320.

Shanghai International Holding Corp. GmbH (Europe) Eiffestrasse 80, 20537 EC REP Hamburg, Germany

The product is in compliance with the requirements of MDR(EU)2017/745, "0123" is the identification number of notify body.

Imported by: Commaxx B.V. Wiebachstraat 37, 6466 NG Kerkrade, The Netherlands



# Alecto

Alecto is a brand of Commaxx B.V.  
Wiebachstraat 37, 6466 NC  
Kerkrade, The Netherlands



**Service / Help ?**  
[support.alectobaby.nl](mailto:support.alectobaby.nl)  
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