

DIGITAL THERMOMETER

DIAGNOSTIC® T-01

INSTRUCTION FOR USE

Thank you for purchasing the Diagnostic T-01 thermometer. The device is designed to be used for measuring the body temperature of children and adults. Read this manual carefully before using this device.

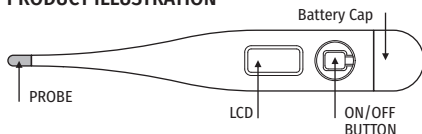
! WARNINGS

- Read instructions thoroughly before using digital thermometer.
- Choking hazard: Thermometer cap and battery could be swallowed. Do not allow children to use this device without parental supervision.
- Do not use thermometer in ear. It was designed to be used for oral, rectal, and armpit (axilla) readings only.
- Do not place thermometer battery near extreme heat as it may explode.
- It is recommended to calibrate the device every 2 years. More information can be obtained from your local distributor.
- Remove battery from the device if it is not in operation for a long time.
- The use of temperature readings for self-diagnosis is dangerous. Consult your doctor for the interpretation of the results. Self-diagnosis may lead to the worsening of existing 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 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, do not use the devices orally.
- If the thermometer was stored at temperature below 5 °C and above 40 °C (41,0 - 104,0°F), before the measurement left the thermometer at ambient temperature 5-40°C (41,0 - 104,0°F) for about 15 minutes.
- The thermometer contains small parts (batteries etc.) that can be swallowed by children. Be sure that children do not play with the device.

PLEASE READ CAREFULLY BEFORE USING

This digital thermometer provides a quick and highly accurate reading of an individual's body temperature. Possible measuring methods: oral, rectal and armpit. The product is of multiple use and can be used both at home and in hospital. To better understand its functions and to provide years of dependable results, please read all instructions first.

PRODUCT ILLUSTRATION



CONTENTS

Thermometer, Plastic Carrying Case, Battery, Instruction for use

! PRECAUTIONS

Efficiency of the device may be reduced if one or more of the following factors occur:

- Operation outside the manufacturer's stated temperature and humidity range.
- Storage outside the manufacturer's stated temperature and humidity range.
- Mechanical shock (e.g. dropping)
- Patient temperature is below ambient temperature.
- Portable and mobile RF communications can affect the device. The device needs special pre-cautions according to the EMC this information is provided in the accompany documents.

SPECIFICATION

Type	Digital thermometer
Range	32,0 - 42,9°C (90,0 - 109,9°F)
Accuracy	±0,1°C (0,2°F), 35,5-42,0°C (95,9-107,6°F) ±0,2°C (0,4°F) - 35,5°C (95,9°F)
Display	LCD 3 1/2 digits
Memory	Storing the last measured value
Battery	One 1,5 V DC (LR41 or SR41, UCC 392)
Battery life	approx. 200 hours
Dimension	12,4 x 1,8 x 0,9cm (L x W x H)
Weight	Approx. 10 g including battery
Operating environment	5 - 40°C (41,0 - 104,0°F), Pressure 700 - 1060 hPa Relative humidity: 15%-95% RH
Storage and Transportation	-20 - 55°C (-4,0 - 131,0°F), Pressure 700 - 1060 hPa Relative humidity: 15%-95% RH
Waterproof level	IP 22
Classification	Type BF

TEMPERATURE UNIT SELECTION: °C OR °F

Diagnostic T-01 is capable of measuring temperature of Celsius or Fahrenheit (°C or °F). When the thermometer is on, press and hold on the ON/OFF button for about 4 seconds in order to change temperature unit.

MEASURING

1. Press ON/OFF button that is next to the screen. You will hear sound signal; (Fig. 1) will be displayed, followed by the last measurement result. After the automatic test temperature result is displayed, the thermometer will be in measurement mode. Letter L with flashing °C or °F indicates readiness for measurement (Fig. 2/3).

Fig.1

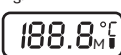


Fig.2

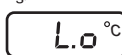
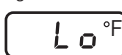


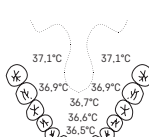
Fig.3



NOTE: If the measured temperature is less than 32 °C (90 °F) the LCD will show Lo, if the measured temperature is higher than 42.9 °C (109.9 °F), the LCD will display Hi.

2. Position thermometer in desired location (mouth, rectum, or armpit.)

- a) **ORAL USE:** Place the thermometer under tongue. Close your mouth and breathe evenly through the nose to prevent the measurement from being influenced by inhaled/exhaled air. Normal temperature is between 35.7 - 37.3 °C (96.3 - 99.1 °F)



- b) **RECTAL USE:** Lubricate silver probe tip with petroleum jelly for easy insertion. Gently insert the sensor of thermometer approximately 1 cm (less than 1/2") into rectum. Normal temperature is between 36.2 - 37.7 °C (97.2 - 99.9 °F)
- c) **ARMPIT USE:** Wipe armpit with a dry towel. Place probe in the armpit and keep the arm pressed firmly at side. Normal temperature is between 35.2 - 36.7 °C (95.4 - 98.1 °F).


- The degree sign flashes throughout the testing process. When flashing stops an alarm will beep for approximately 10 seconds. The measured reading will appear on the LCD simultaneously. The minimum measurement time until the signaling tone (beep) must be maintained without exception. The measurement continues even after the buzzer notification. The displayed temperature will not change when the thermometer is removed from its testing position.

NOTE: For a better body temperature measurement, after hearing a beep, it is recommended to keep the probe for another 2 minutes while measuring in the mouth or rectum, and at underarm measurement for another 5 minutes. You should keep minimum 30 seconds interval between the measurements.


NOTE: Normally the buzzes are "Bi-Bi-Bi-Bi-". Alarm beeps more rapidly when temperature reaches 37.8 °C (100 °F) or higher, and the buzzes are "Bi-Bi-Bi----- Bi-Bi-Bi----- Bi-Bi-Bi"

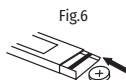
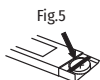
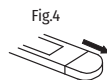
- To prolong battery life, press the On/Off Button to turn unit off after testing is completed. If the unit is not used for approx. 10 min., it will turn off automatically.
- Store the thermometer in its carrying case.

ERROR MESSAGES

Error message	Problem	Solution
Lo	Measurement temp. is lower than 32.0 °C (90.0 °F)	Turn off the thermometer. Wait a minute and measure the temperature one more time.
Hi	Measurement temp. is higher than 42.9 °C (109.9 °F)	Turn off the thermometer. Wait a minute and measure the temperature one more time.
Err	The device does not work correct	Remove the battery, wait 1 minute and insert it again. If the message appears again, contact the seller.
	Uncharged battery: the battery icon is flashing, don't take measurement	Change the battery

BATTERY REPLACEMENT

- Replace the battery when symbol  appears in the lower right corner of the display.
- Pull the battery cover off as shown in (Fig.4).
- Gently pull out the plastic circuit board with the battery chamber approximately 1 cm (slightly less than 1/2") (Fig. 5)
- Use pointed object such as a pen to remove old battery. Discard the battery lawfully. Replace with new 1.5 DC button type LR41 or SR41,UCC392, or equivalent. Be sure the battery is installed with "+" polarity at the top. (Fig.6)
- Slide the battery chamber back into place and attach the cup.



CALIBRATION

The manufacturer recommends to check the accuracy of the thermometer at an authorized service center every 2 years. More information can be obtained from your local distributor.

CLEANING AND DISINFECTION

Wipe the thermometer with a soft clean cloth. For stubborn stains, wipe the thermometer with a cloth that has been dampened with water or a neutral detergent solution and then rinse and dry thoroughly. Finish by wiping with a soft dry cloth. To prevent damage to the thermometer follow given instructions:

- Do not use benzene, thinner, gasoline or other strong solvents to clean the thermometer.
- Do not soak the sensing section in alcohol for long periods of time or attempt to sterilize with hot water (water at a temperature of 50 °C (122 °F)) or higher.
- Do not use ultrasonic washing to clean the thermometer.

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15-113 Białystok, POLAND
www.diagnosis.pl

store stamp and signature
of salesperson

WARRANTY CARD

MODEL










SERIAL NUMBER DATE OF SALE


WARRANTY TERMS


- Diagnosis S.A. grants a warranty:
 - 24 months for Diagnostic T-01 Thermometer
 Hardware defects revealed during the warranty period will be rectified free of charge within 21 days. The term runs from the date of delivery of the equipment to the service center.
- The purchaser shall be entitled to replace the equipment for a new one, free of defects, when:
 - the repair has not been made within the time limit set in item 1
 - an authorized service center found an irreparable manufacturing defect
 - during the warranty period, 4 repairs were effected, and the equipment still shows defects that prevent its use in accordance with its intended purpose.
 - The concept of repair shall not include operations related to equipment check and cleaning.
- The warranty shall not cover: batteries, products with illegible or damaged serial number, damage due to the operation and storage inconsistent with the user manual, ingress of liquids or foreign bodies, overvoltage of mains, repairs by unauthorized persons and random events.
- Faulty equipment should be delivered by the buyer to the Distributor address in your country.
- The warranty for the sold consumer goods shall not exclude, restrict, or suspend the powers of the buyer resulting from non-conformity of the goods with the contract.
- The only basis for the warranty rights shall be the warranty card with the date of sale, stamp and signature of the salesperson. If the card is not completed, filled in wrongly, with traces of corrections and entries made by unauthorized persons, illegible as a result of damage - it shall be invalid.

INFORMATION OF ELECTROMAGNETIC COMPATIBILITY AT:

<http://www.diagnosis.pl/normy>

	Manufacturer		Year of production
	LOT Number		Catalog number
	Study the instruction manual		Rev. Last updated
	Attention		Direct current
	Type BF - the device has been designed in order to provide users the maximum security during the measurement.		

 The worn out product should be taken to a waste collection facility. Contains components that are dangerous for the environment. The correct disposal of the device allows to preserve valuable resources and avoid negative effects on health and the environment, which may be threatened by inappropriate handling of waste. If you are in doubt where to return the used appliance, contact local distributor.

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