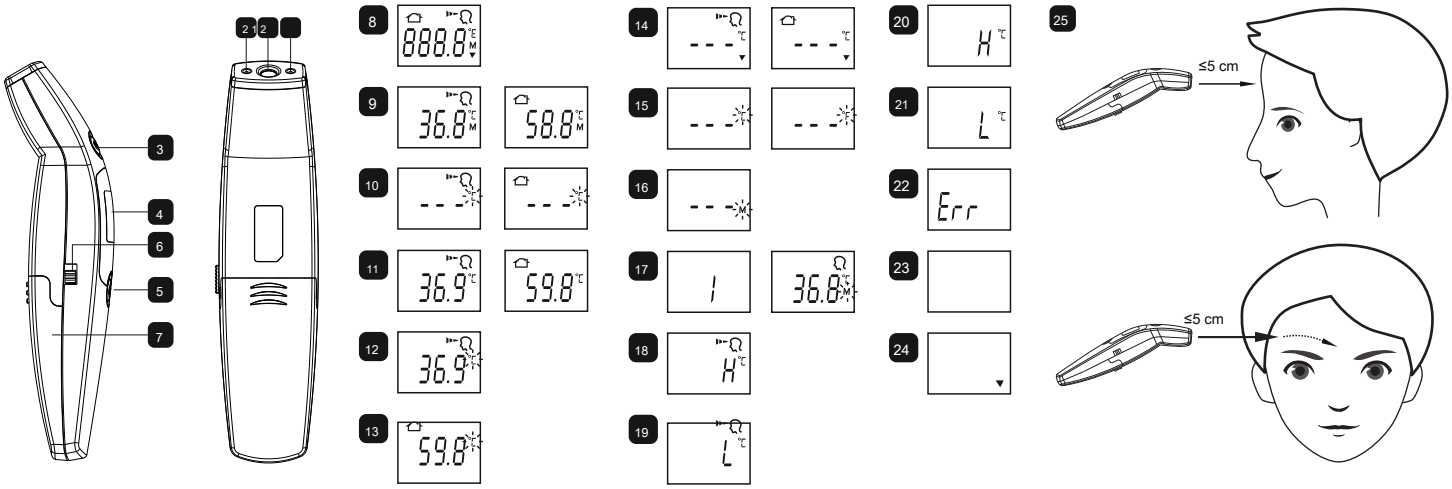
DR CHECK FC500

NON-CONTACT INFRARED THERMOMETER

INSTRUCTIONS FOR USE



1. Measuring sensor (probe)
2. Lighting of the measurement site
3. START button
4. Display
5. ON / OFF button
6. Mode switch
7. Battery compartment cover
8. Display all segments in Memory
9.
10. Ready for measurement
11. Measurement complete
12. Body temperature measurement mode Object
13. temperature measurement mode Battery
14. discharge indicator
15. Switching between Celsius and Fahrenheit
16. Memory mode
17. Recall the last 30 readings in
18. The measured temperature is too high The
19. measured temperature is too low. The ambient
20. temperature is too high. The ambient
21. temperature is too low. Error message
22.
23. Blank display
24. Uncharged battery

The DR CHECK FC500 thermometer is a high-quality product, developed using the latest technology and tested in accordance with international standards. Thanks to the unique technology, the thermometer always provides a stable and independent from external sources of heat temperature measurement. The DR CHECK FC500 thermometer is designed to periodically measure and monitor the temperature of the human body.

The thermometer has been clinically tested which confirmed that it is safe and accurate when used in accordance with the instructions for use.

Before using the product, read this manual, all functions and safety information.

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1. ADVANTAGES OF THE THERMOMETER

Measurement in just a few seconds

The innovative infrared technology allows you to measure the temperature without touching the object, thus ensuring safe and hygienic measurement within seconds.

Many uses

The thermometer enables measurement in the range from 0 ° C to 100.0 ° C (from 32.0 ° F to 212.0 ° F), which means that the device can be used to measure body temperature or substance surface temperature, e.g .:

- baby bottle milk,
- baby bath temperature, ambient temperature.

Precision and reliability

Thanks to the unique design of the probe, which includes an advanced infrared sensor, each measurement is precise and reliable.

It's easy to use

- Easy handling thanks to its ergonomic shape.
- A thermometer can measure the temperature of a drinking baby without disturbing its sleep.
- Short measurement time, making the device child-friendly.

Automatic display of the last measurement

After switching on the device, the last measurement is automatically displayed for 2 seconds.

Recall 30 consecutive results in measurement in

When the reminder mode is turned on, the user can recall the last 30 readings in the measurements taken, which enables effective tracking of temperature fluctuations.

Safety and hygiene

- No direct contact with the skin.
- No risk of glass breakage or mercury ingestion.
- Completely safe for children.
- A cotton cloth soaked in alcohol can be used to clean the probe, which ensures hygiene when the thermometer is used by the whole family.

Fever alarm

Use 10 short tones for d and red tones
backlight on the display, the patient will be informed that their body temperature is 37.5 ° C or higher.

⚠ 2. IMPORTANT SAFETY INSTRUCTIONS

- The device may only be used for the purposes described in this manual. The manufacturer is not responsible for any damage caused by improper use of the device.
- **Do not submerge the device in water or other liquids. When cleaning the device, follow the instructions in the "Cleaning and Disinfection" chapter.**
- It does not use the device in case of suspected damage or unusual operation.
- Does not open the device.
- In the early stages of the fever, the blood vessels may narrow, causing the skin to cool down, so the temperature measured with a thermometer may be low.
- If the measurement result is inconsistent with the patient's well-being or unusually low, repeat the measurement every 15 minutes or verify the result with body temperature
  carried out with a different thermometer.
- The device contains sensitive components and must be handled with care. The conditions for storage and operation described in the "Technical Specifications" chapter must be adhered to.

Keep the thermometer away from children and pets. Some parts of the device are small and can be easily swallowed.

- The device must be protected against:
  - extreme temperatures,
  - shocks and falls,
  - dirt and dust,
  - direct exposure to sunlight, high and low temperatures.
  -
- If the device is not going to be used for an extended period of time, remove the batteries.

- It does not perform the measurement if the product is exposed to a strong electromagnetic or electrostatic field.

⚠ **WARNING: Using the device is not a substitute consultation with your doctor.** Self-measurement means control, not diagnosis. Do not take any action of a medical nature without consulting your doctor first. **The device is not waterproof,**

therefore it must not be immersed in liquids.

3. HOW DOES B THE THERMOMETER MEASURE THE TEMPERATURE?

The thermometer measures the infrared radiation emitted by the forehead and by objects. This energy is then absorbed by the lens and displayed as a temperature value. The best reading accuracy can be obtained by measuring the temperature above the eyebrows.

4. DISPLAYED CONTROL INFORMATION AND SYMBOLS

- Display all segments in . Press the ON / OFF button.
  to turn on the device. All segments will be displayed for 2 seconds.

- Memory he last reading is automatically displayed for 2 seconds.

- Ready for measurement When the device is ready for measurement, the «° C» or «° F» icon will blink and the measurement mode icon (body temp. Or object temp. Mode) will be displayed.
- Measurement complete T reading will be displayed on
  the display with the «° C» or «° F» icon and the measurement type icon. The device is ready for the next measurement when the «° C» or «° F» icon starts flashing again.

- Battery discharge indicator . When th device is turned on, the "black triangle" battery icon will flash to remind you to replace the battery.

5. SWITCHING BETWEEN TEMP MEASUREMENT MODE BODY AND TEMP. FACILITY

To change the device from body mode to object mode, flip the mode switch down on the side of the thermometer. To return to body mode, set the switch back to up.

6. HOW WILL I PERFORM THE MEASUREMENT?

Body temperature measurement

1. Press the ON / OFF button. . For 2 seconds on the screen
   all the segments will be displayed.
2. The last measurement will be automatically displayed for 2 seconds with the «M» icon.
3. When the «° C» or «° F» symbols start flashing, you will hear a beep and the thermometer is ready to take a measurement .
4. Aim the thermometer at the center of the forehead at a distance of no more than 5 cm. Hair, sweat and dirt are removed from the eyebrow area to increase the accuracy of the measurement.

5. They press the START button a slowly moves the thermometer from the center of the forehead towards the temples (about 1 cm above the eyebrows). Blue light on the display indicates where the measurement is being made. After 3 seconds, a long beep will inform you that the measurement has been completed. If the thermometer was not passed over the temple area before the sound of the long beep, repeat the measurement as described above, moving the thermometer a little faster.

6. Reads the measured temperature from the LCD display.

Object temperature measurement

1. For your help operating mode selector on the thermometer
   change measurement mode u for "object temperature measurement" next then proceed
   according to point 1-3 of the above described "Measurement of body temperature". Then aim the thermometer at the center of the object to be measured, keeping a distance of no more than 5 cm. They press the START button . After 3 seconds, a long beep will inform you that the measurement has been completed.

2. Reads the measured temperature from LCD display.

ATTENTION:

- The patient and the thermometer should be in a closed room at a constant ambient temperature for at least 30 minutes before taking the measurement.

- Your baby's temperature should not be taken during or immediately after feeding.
- Do not use the thermometer in conditions of high air humidity.

- Patients should not drink, eat or exercise before or during a temperature measurement.
- Do not move the thermometer away from the measurement site until the audible tone sounds.
- Using an alcohol swab, clean the probe and wait 15 minutes before taking another patient's temperature.
- Use 10 short tones for d and red tones
  backlight on the display, the patient will be informed that their body temperature is 37.5 ° C or higher.
- Always take the temperature at the same location as the reading may vary depending on the measurement location.
- In the case of newborns and infants up to 6 months of age, doctors recommend measuring the rectal temperature. Other measurement methods may give inconclusive results. If a non-contact thermometer is used on a newborn or infant, we recommend that you verify the measurement result by measuring rectal temperature.

In the following situations, it is recommended to measure the temperature three times and take the highest measurement as the most reliable:

1. In children under three years of age with a weakened immune system, where the presence or absence of fever is critical.

2. You are using the infrared thermometer for the first time. Before you assimilate its functions and learn it, take constant readings.

3. If the measured temperature is surprisingly low.

Do not compare the reading of the temperature measured w
in different places, because the normal body temperature is highest in the evening depending on the place of measurement and time of day. Body temperature is Normal and lowest about an hour before waking up.

body temperature ranges:

- armpit: 34.7-37.7 ° C / 94.5-99.1 ° F; rectal:
- in the mouth: 35.5-37.5 ° C / 95.9-99.5 ° F;
- 36.6-38.0 ° C / 97.9-100.4 ° F;
- Dr Check FC500 (forehead measurement): 35.4 ° C-37.4 ° C / 95.7-99.3 ° F.

7. SWITCHING BETWEEN THE CELSIUS AND FAHRENHEIT SCALE

- The thermometer can show the temperature on the Fahrenheit or Celsius scale. To switch the temperature display between Celsius and Fahrenheit, turn off the device, then

press and hold the START button for 5 seconds. After 5 seconds, the current measuring scale will flash on the display

(«° C» or «° F» icon). Select the measurement scale ° C or ° F by pressing the START button After selecting the measurement scale, wait 5 seconds; the device will automatically switch to the "Ready for measurement" mode.

8. HOW CALLED 30 READING FROM MEMORY OF THE DEVICE?

- The thermometer has a memory function that allows you to display the last 30 measurements in temperature.
- The mode of recalling the measurement result in They press the START button to enter the measurement reminder mode while the thermometer is turned off. The memory symbol «M» will flash.
- Reading 1 - result of the last measurement They will press and release the START button to remind you of the last measurement. Reading 1 - Memory symbol «M» appears.
- Reading 30 - readings displayed sequentially: Press and release START to obtain further readings to remind you of the last 30 measurements in sequence.
- After 30 consecutive measurements are obtained, repeatedly press and release the START button will return to the first.

9. ERROR MESSAGES

- **The measured temperature is too high** «H» is displayed, if the measured temperature is greater than 42.2 ° C / 108.0 ° F in the body mode or 100 ° C / 212 ° F in the object mode.
- **The measured temperature is too low** «L» is displayed if the measured temperature is lower than 34.0 ° C / 93.2 ° F in body mode or 0 ° C / 32 ° F in object mode.
- **Ambient temperature too high:** «H» is displayed together with degree symbol, if the ambient temperature is higher than 40.0 ° C / 104.0 ° F.
- **Ambient temperature too low** «L» is displayed together with degree symbol, if the ambient temperature is lower than 16.0 ° C / 60.8 ° F in body mode or 5.0 ° C / 41.0 ° F in object mode.
- **Err sign appears -** function error System error.
- Display is dark (blank) Check that the batteries are properly inserted. It will also check the polarity of the batteries (<+> and <->).
- **Battery discharge indicator** If the display only shows the «» icon, replace the batteries immediately.

10. CLEANING AND DISINFECTION

with To clean the thermometer housing and the probe, use a cotton swab or a cotton cloth soaked in alcohol (isopropyl 70%). Do not allow liquid to enter the thermometer. Do not use abrasive cleaners, thinner or benzene, and do not immerse the unit in water or detergents. Be careful not to scratch the probe lens and display.

11. BATTERY REPLACEMENT

- The device is supplied with 2 new 1.5V AAA batteries with long life. The batteries should be replaced when only the «» icon appears on the display. Open the battery cover with a screwdriver. Replace the battery with the correct polarity as shown in the battery compartment.

The device meets the requirements of the Medical Product Directive 93/42 / EEC. The manufacturer reserves the right to make changes technical product. **It is recommended to perform a technical inspection every two years.**

INFORMATION ON ELECTROMAGNETIC COMPATIBILITY can be found at diagnosis.pl/normy/FC500

Dispose of batteries and electronic devices according to local regulations. They must not be disposed of with municipal waste. They contain ingredients that are hazardous to the environment. Correct disposal of the device allows you to conserve valuable resources and to avoid any negative effects on health and the environment, which could be compromised by inappropriate waste handling. If you have any doubts about where to return the used apparatus, contact Diagnosis.

12. TECHNICAL SPECIFICATIONS

Type	Dr Check FC500 non-contact thermometer
Measurement range	body temperature measurement mode: 34.0-42.2 ° C (93.2-108.0 ° F) Object temp measurement mode: 0-100.0 ° C (32-212.0 ° F)
Resolution	0.1 ° C / 0.2 ° F
Accuracy of measurement	in laboratory conditions: ± 0.2 ° C, 36.0 ~ 39.0 ° C (± 0.4 ° F, 96.8 ~ 102.2 ° F)
Display	Liquid crystal display, 4 digits plus special characters.
Audible signals	The device is on and ready for measurement: 1 short beep. Measurement completion: 1 long beep (1 s) if the result is less than 37.5 ° C (99.5 ° F); 10 short tones if the result is equal or higher. System error or failure: 3 short beeps.
Memory	30 last measurement in
Backlight	When the device is turned on, the display is highlighted in GREEN for 4 seconds. The display illuminates GREEN for 5 seconds if the measurement is completed below 37.5 ° C (99.5 ° F). The display turns RED in “body mode” for 5 seconds if a measurement has been completed with a result equal to or greater than 37.5 ° C (99.5 ° F).
Working temperature	body temperature measurement: 16-40.0 ° C (60.8-104.0 ° F) object temperature measurement: 5-40.0 ° C (41-104.0 ° F)
Storage temperature	-20 ° C to + 50 ° C (-4 ° F to 122 ° F) 15-95% relative maximum humidity
Auto shutdown	Approx. 1 minute after the last measurement was taken
Classification	Type BF
IP classification	IP22: Access protection dangerous parts (tested for a 12 mm diameter finger 80 cm long). Protection against solid foreign objects with a diameter of 12.5 mm and greater. Protection against vertical drop of water with the housing inclined up to 15 °. The vertical drop should not be harmful the device tilted to both sides up to 15 °.
Batteries	2 x 1.5 V, size AAA 150 x
Dimensions	40 x 39 mm
Weight	81 g (with batteries), 56 g (without batteries)
Packaging included	thermometer, case, instructions for use, 2 AAA batteries

EXPLANATION OF THE SYMBOLS USED

SN	Serial number		Warnings
	Type BF		Protects against sun. Protects
	production date		against moisture
	Manufactured by	⎓ 2xAAA	Power
Rev.	Date of the last update		See the instructions for use
REF	Catalog number		

DIAGNOSIS HOTLINE
800 70 30 11, 85 874 60 45
serwis@diagnosis.pl

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

REF 5057

CE 0197

Rev. 2018.08.14

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

MAIN SERVICE
Diagnosis SA
ul. Przemysłowa 8, 16-010 Wasilk, tel. 85 874 60 45
serwis@diagnosis.pl

stamp of the shop and signature of the seller

WARRANTY CARD

DEVICE NAME . . . . . MODEL. . . . . .

. . . . . SERIAL NUMBER . . . . . .

. . . . . SALE DATE . . . . . .

. . . . . .

TERMS OF WARRANTY

1. Diagnosis SA gives a guarantee: 24 months
   - for the FC500 thermometer
   - Hardware defects revealed during the warranty period will be removed free of charge within 21 days. The deadline is counted from the date the equipment is delivered to the site.
2. The buyer has the right to replace the equipment with a non-defective one if: the repair has not been
   - performed within the period specified in point 1
   - an authorized service point found a manufacturing defect that cannot be removed within the
   - warranty period, 4 repairs were made, and the equipment still shows defects that prevent its
   - use as intended.
   - The term repair does not include activities related to checking and cleaning the equipment.
3. The warranty does not cover: batteries, products with an illegible or damaged serial number, damage resulting from the user's manual and storage inconsistent with the user's manual, leakage of liquid or foreign bodies, overvoltage in the power supply, repairs by unauthorized persons and random events.
4. The defective equipment should be delivered by the buyer to the address of the main service or one of the Authorized Service Centers.
5. The warranty for the sold consumer goods does not exclude, limit or suspend the rights of the buyer resulting from the non-compliance of the goods with the contract.
6. The only basis for the warranty rights is the warranty card with the date of sale, stamp and signature of the seller. The card is not filled in, filled out incorrectly, with traces of corrections and entered by unauthorized persons, illegible due to damage - is invalid.

The list of authorized service points is available at www.diagnosis.pl/serwis/diagnosis, as well as at the toll-free number hotline: **800 70 30 11 or by calling 85 874 69 28 (** Mon-Fri) from 8.00-16.00

SERVICE POINT NOTES

No.	date applications	date repairs	warranty extended to	description of the activity	rubber stamp and signature contractors