

INSTRUCTION MANUAL

RediScan™ Infrared Thermometer

Model 18-535-000

Please read this detailed guidebook completely before operating this unit.



Five-Year Limited Warranty

Your thermometer is guaranteed to be free of manufacturing defects for a period of five years from the date of purchase under normal use. This limited warranty does not apply to use in any clinical or commercial applications. If the unit fails to operate during the warranty period, return it postage prepaid along with \$5.00 for return shipping and insurance to: MABIS Healthcare, Attn: Repair Department, 1931 Norman Drive South, Waukegan, IL 60085. If MABIS Healthcare determines that the unit failed to operate due to a manufacturing defect, the unit will be repaired or replaced at the option of MABIS Healthcare. Repair or replacement of the unit is the sole remedy under this limited warranty. This warranty gives you specific legal rights, which vary from state to state. As a condition of this warranty, the enclosed warranty registration card must be completed and sent to us within 10 days of the purchase date.

This limited warranty constitutes MABIS Healthcare's only responsibility and obligation to repair and/or replace materials or components. We make no other express or implied warranties, arising by operation of law or otherwise, or any warranty of merchantability or fitness for a particular use or purpose whether or not the use or purpose has been disclosed to MABIS Healthcare in specifications, drawings or otherwise, and whether or not MABIS Healthcare's products are specifically designed and/or manufactured by MABIS Healthcare for the buyer's use or purposes, except for the limited warranty stated above. MABIS will not be responsible for any indirect, incidental, special, consequential, or punitive damages or other loss, including, but not limited to, damage to or loss of other property or equipment and personal injuries, whether to purchaser or others. MABIS shall in no event be liable to the purchaser for any amount in excess of the cost of repair and/or replacement of the unit.



TOLL-FREE CUSTOMER CARE HELP LINE
1-800-622-4714

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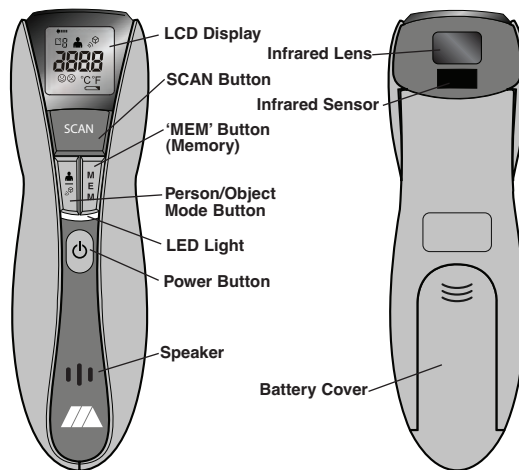
Introduction

Thank you for purchasing the RediScan Infrared Thermometer. Please read the following instructions to achieve the most accurate temperatures and safe operation. With proper care and use, your thermometer will provide you with many years of reliable readings.

Your RediScan Infrared Thermometer is intended for monitoring human body temperature in the home and is appropriate for all ages. The RediScan can also be used to measure the temperature of objects such as bath water, a bottle of milk or a variety of other items. It's non-contact design makes this thermometer less threatening and more sanitary than most other thermometers. The RediScan can even be used while a child is sleeping.

NOTE: Measurements taken with the RediScan Infrared Thermometer are comparable to oral readings.

Product Features



Infrared Technology

The RediScan Thermometer features infrared technology that allows for temperature readings to be taken approximately 2" – 3" from a person or object. By not actually having to touch a person or object to get a reading, the RediScan thermometer offers fast, hygienic results.

How does it work?

Since all people or objects radiate infrared energy, this thermometer works by changing the infrared energy measurement of a person or object into an accurate temperature reading.

The automatic distance finding sensor ensures the RediScan thermometer is at the ideal distance before a measurement is taken. In one second, 512 readings are taken. These readings are converted into a single temperature with the peak temperature displayed on the screen.

General Care Information

Your RediScan Thermometer can provide years of easy and accurate readings if cared for properly.

1. The thermometer should only be used under the supervision of an adult.
2. The infrared technology your RediScan Thermometer uses is completely safe. While it is not harmful to look into the lens while taking a reading, it is not recommended.
3. The RediScan Thermometer is designed to only take human temperature readings from the forehead. Attempting to take a measurement anywhere else on the body may result in an inaccurate reading.
4. Forehead measurements are comparable to oral measurements. Remember temperatures can vary from 97.0°F to 99.0°F (36.1°C to 37.2°C) and still may be considered 'normal'. Time of day, level of activity, exercise and other activities can attribute to variations in temperature. However, unlike oral temperatures, factors such as smoking, talking and drinking do not affect forehead measurements.
5. Do not walk or run while taking a measurement.
6. Clean the lens before and after each use.
7. Store the unit in the protective bag when not in use.
8. Do not touch the lens with your fingers.
9. Do not store the unit where it will be exposed to direct sunlight, dust or humidity. Avoid extreme temperatures.
10. Dropping or subjecting your thermometer to strong shocks should be avoided.
11. Do not attempt to disassemble the unit, except to replace the battery.
12. If measurement is not attainable, the unit must be replaced.

NOTE: Performance of the device may be degraded if operated outside of stated temperature and humidity range; stored outside of stated temperature and humidity range; thermometer undergoes mechanical shock (drop).

Cleaning & Storage

To ensure accurate measurements, clean the lens before and after each use. Fingerprints and dirt can cause inaccurate readings.

To Clean:

- Use an alcohol swab or a soft cotton swab moistened with alcohol (70% Isopropyl) to clean the thermometer lens, *Figs. 1-2*. Do not use paper towels, the fibers may scratch the lens.
- Do not use water to clean the lens or thermometer.
- Only use a soft dry cloth to clean the thermometer.
- Make sure that liquid does not enter the interior of the thermometer.
- Never use abrasive cleaning agents, thinners or gasoline for cleaning.
- Do not immerse into water or other cleaning liquids.

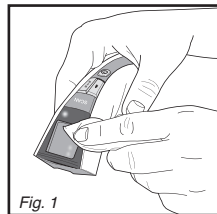


Fig. 1

To Store:

- Remove the battery if the thermometer will not be used for an extended period of time.
- Store in a sun-free and dust-free dry area at a temperature between -13°F – 131°F (-25°C – 55°C) with relative humidity not exceeding 95%.
- Protect the thermometer from severe impact or shock. Keep stored in the protective storage bag.

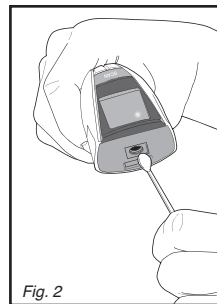


Fig. 2


Helpful Hints

- For accurate results, wait at least 30 minutes after exercising, bathing or returning from the outdoors.
- Wait at least 1 minute between readings.
- If multiple readings are taken over a short period of time, use the average of those readings.
- Because everyone's temperature varies slightly, keep a record of your body temperature to serve as a reference when judging a fever.

Changing Modes

Switching Between Person or Object

First determine whether you want to measure the temperature of a person or an object.

1. Press the  (Power) button to turn on the thermometer.

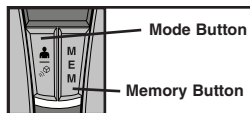




Fig. 1

2. To switch between the measurement modes for a person or an object, press the 'Mode' button, Fig. 1. The  symbol appears to measure a person and the  symbol appears to measure an object, Fig. 2.

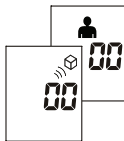


Fig. 2

Switching Between Fahrenheit or Celsius

1. Press the 'Power' button to turn the thermometer on.
2. Press and hold both the 'Mode' and 'Memory' buttons for approximately 3 seconds. This will change the mode to either °C or °F, Fig. 3. Once the thermometer beeps, the unit is ready for measurement.

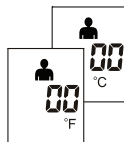


Fig. 3

NOTE: To switch the mode again, wait until the unit beeps and then press and hold both the 'Mode' and 'Memory' buttons until the mode switches to either °C or °F.

Taking a Reading - Person

Taking the Temperature of a Person:

NOTE: Be sure the thermometer is set to measure the temperature of a person.

1. If the thermometer is off, press the 'Power' button to turn the thermometer on.
2. Press and hold the 'SCAN' button. The screen should appear like Fig. 4.
3. Aim the front of the thermometer at the person's forehead, Fig. 5. Hold the thermometer approximately 2" to 3" away from the forehead.

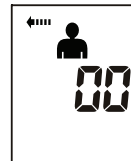


Fig. 4

NOTE: Attempting to take a measurement anywhere else on the body may result in an inaccurate reading.



Fig. 5

4. While continuing to press the 'SCAN' button, slowly move the thermometer toward or away from their forehead until the thermometer is continuously beeping and the LED light flashes, Fig. 6.
5. The 'beeping' indicates that the distance required for the measurement is correct. Once the thermometer is consistently and continuously beeping, release the 'SCAN' button.

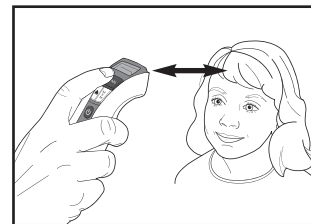


Fig. 6

Taking a Reading - Person

- The thermometer will beep once and show the temperature reading, *Fig. 7*. The display will illuminate with Nite-Glo® technology for 3 seconds.

NOTE: A happy face symbol ☺ will appear on the display if the temperature is below 100.4°F (38°C). If the temperature reading is above 100.4°F (38°F), a sad face symbol ☹ will appear.

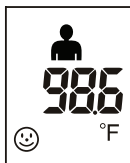


Fig. 7

If the temperature is outside of the thermometer's sensory range, 'Lo' or 'Hi' will appear on the display. If however, the temperature is outside of the thermometers permissible measurement range, 'Err' will appear on the display.

- The thermometer will automatically beep and shut-off after approximately one minute of non-use.

NOTE: To ensure accuracy:

- Please wait at least 1 minute between successive readings.
- Clean the probe lens before and after each use.

Taking a Reading - Object

Taking the Temperature of an Object:

NOTE: Be sure the thermometer is set to measure the temperature of an object.

- If the thermometer is off, press the 'Power' button to turn the thermometer on.
- Press and hold the 'SCAN' button. The screen should appear like *Fig. 8*.

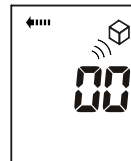


Fig. 8

- Aim the front of the thermometer at the object, *Fig. 9*. Hold the thermometer approximately 2" to 3" away from the object and release the 'SCAN' button.
- The thermometer will beep once and show the temperature reading, *Fig. 10*. The display will illuminate with Nite-Glo® technology for 3 seconds.

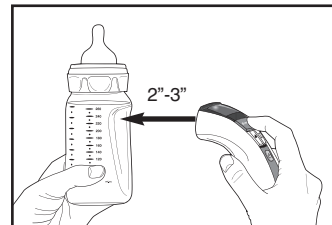


Fig. 9

- The thermometer will automatically beep and shut-off after approximately one minute of non-use.

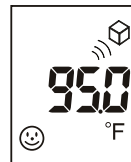


Fig. 10

Memory Recall

Recalling Measurements in Memory

1. Press the Power button to turn the thermometer on.
2. Press the 'Memory' button to recall up to 10 measurements stored in memory, *Fig. 1*.
3. The person symbol or object symbol will appear with each measurement stored in memory to indicate whether a person or object temperature was taken, *Fig. 2*.
4. The happy face ☺ or sad face ☹ symbol will appear 5 seconds after viewing the measurement stored in memory.

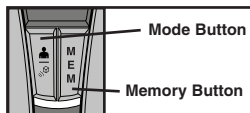


Fig. 1

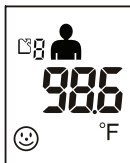


Fig. 2

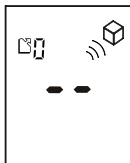




Fig. 3

NOTE: After 10 measurements have been stored in the memory, the oldest reading will be automatically deleted.

Clearing Memory

1. Press the Power button to turn the thermometer on.
2. To clear the memory, simply hold the 'Memory' button down until the thermometer beeps and two horizontal lines appear, *Fig. 3*.

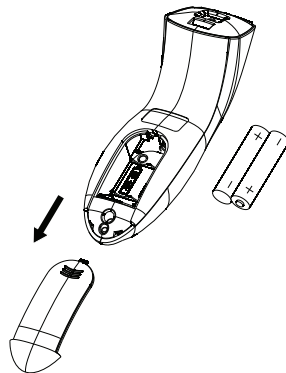
Replacing the Battery

When the battery symbol  appears on the screen, the batteries will need to be replaced soon. When the letters "Lo" and the battery symbol  appears on the display, the batteries need to be replaced before taking another measurement. Rechargeable batteries are okay to use in this thermometer.








Replacing the Battery

1. Gently slide the battery cover back.
2. Carefully remove the old batteries and properly discard.
3. Insert new batteries according to the proper polarity.
4. Slide the battery cover back on.







NOTE: Please properly dispose of the batteries away from small children and heat.



Symbols

Fahrenheit/Celsius	°F / °C
Forehead Scan Mode	
Object Scan Mode	
Memory symbol and measurement number	
Scanning in progress	
Low battery	
Happy face Indicates temperature is lower than 100.4°F (38.0°C)	
Sad face Indicates temperature is 100.4°F (38.0°C) or higher	

Troubleshooting

Display Symbol	Condition/Cause	Corrective Action
	Measurement is below normal temperature range.	Retake temperature ensuring proper positioning.
	Measurement is above normal temperature range.	Retake temperature ensuring proper positioning.
	Operating temperature is outside of the permissible range (60.8°F – 95.0°F; 16.0°C – 35.0°C).	Take thermometer to a room where the temperature is within the permissible range. Wait 45 minutes to stabilize thermometer. Retake temperature positioning the probe snugly into the ear canal.
	Blank display	Check battery polarity. May need to replace batteries.
	Low battery	Unit will work; replace batteries soon.
	Low battery warning	Replace the batteries immediately.

Product Specifications

Name	RediScan™ Infrared Thermometer
Model Number	18-535-000
Display System	Liquid Crystal Display with 0.1°F (0.1°C) resolution
Accuracy	Human Body: $\pm 0.5^{\circ}\text{F}$ ($\pm 0.3^{\circ}\text{C}$)
Measuring Range	50.0°F – 122.0°F (10.0°C – 50.0°C)
Memory	Automatically stores up to 10 readings
Tone	One short beep sounds when the unit is turned ON. Thermometer beeps once for each memory recall and when unit automatically turns off.
Operation Distance	2.36" – 3.14" (6 -8 cm)
Operating Temperature	60.8°F to 95.0°F (16.0°C to 35.0°C) at relative air humidity (not condensing) of up to 95%
Storage Temperature	-13.0°F to 131.0°F (-25.0°C to 55.0°C) at relative air humidity (not condensing) of up to 95%
Automatic Power-off	Automatic shut-off after approximately 1 minute of non-use.
Battery	2 – 1.5v alkaline AAA size
Dimensions	5-1/4" (L) x 3-3/8" (W) x 1-1/4" (H) (134.5mm x 84.8mm x 31.7mm)
Weight	With battery, 4.27 ounces (121 grams)
Accessories	Storage bag, Instruction Guidebook, Quick Start Guide, two AAA size batteries
Standards	Complies with US ASTM E-1965-98

Specifications are subject to change without notice.