

REF: THERM-IR

Infrared Forehead Thermometer

SPECIFICATIONS

Applicable harmonized standard:
EN ISO 80601-2-56:2012

Medical device conform MDD 93/42/EEC



The Romed Infrared Forehead Thermometer is intended to measure human body temperature by measuring at the forehead. It is suitable for displaying the body temperature by measuring the heat radiation from the forehead.

The Romed Infrared Forehead Thermometer has 2 measuring modes: body mode and object mode. The default is body mode, as this is the primary intended use, and it will measure temperatures between 32°C ~ 43°C (89.6°F ~ 109.4°F) when the thermometer is positioned up to 3 cm from the forehead. When the thermometer is in object mode it is able to measure the surrounding environment or object temperature in the range of 0°C ~ 100°C (32°F ~ 212°F). To ensure the accuracy of measurement, please do not conduct forehead measurement in object mode.



In body mode the thermometer also has a fever guidance function.



Fever guidance helps you to better understand the meaning of the temperature with the colour indicated on the display.

Normal temperatures are indicated by a green display, a possible low fever is indicated by a yellow display, and possible high fevers are indicated by a red display and 10 audible beeps.



Backlight Colour	Temperature	Meaning
Green ●	<37.5°C	Normal
Yellow ●	≥37.5°C and ≤38.5°C	Low fever
Red ●	>38.5°C	High fever

This thermometer is used for temperature measurement and not for disease diagnosis; it cannot be used for emergency and continuous measurement in surgery. The patients cannot diagnose the disease and get treatment by themselves on the basis of the measurement results, they must follow the instruction of doctors.

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Product Name	Infrared Forehead Thermometer									
Brand	Romed									
Model	THERM-IR									
Power Consumption	Max. 50 mW in measurement mode									
Rating	2×1.5V AAA alkaline batteries									
Battery Life	More than 1000 Times of continuous operation									
Auto Power-off	Approx. 30 seconds									
Dimension	149(L) x 34(W) x 52(H) mm									
Weight	Approx. 95g (excluding batteries)									
Display Screen	<table> <tr> <td>Green</td> <td><37.5°C</td> <td>Normal</td> </tr> <tr> <td>Yellow</td> <td>≥37.5°C and ≤38.5°C</td> <td>Low fever</td> </tr> <tr> <td>Red</td> <td>> 38.5°C</td> <td>High fever</td> </tr> </table>	Green	<37.5°C	Normal	Yellow	≥37.5°C and ≤38.5°C	Low fever	Red	> 38.5°C	High fever
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Yellow	≥37.5°C and ≤38.5°C	Low fever								
Red	> 38.5°C	High fever								
Measurement Range	Body Mode 32°C ~ 43°C (89.6°F ~ 109.4°F) Object Mode 0°C ~ 100°C (32°F ~212°F)									
Measurement Mode	Body Mode / Object Mode									
Minimum Scale	0.1°C/0.1°F									
Measurement Accuracy	±0.2°C, for range 35.0°C ~ 42.0°C ±0.3°C, outside this temperature range at standard room temperature of 25°C (77.0°F)									
Memory	30 recorded measurements									
Button	3 buttons: Power/Model Button, Measurement/Memory Button, °C / °F Button									
Alarm	Sound when peak temperature is reached									
Calibration	No need for calibration before use. To ensure the measurement accuracy, please use and store the device in appropriate environment described below.									
Working Environment	Temperature: 15°C ~ 40°C (59°F ~ 104°F) Relative humidity: 15%RH-93%RH Pressure: 70KPa to 106KPa									
Storage and Transportation Environment	Temperature: -25°C ~ 60°C (-13°F ~ 140°F) Relative humidity: 0%RH-90%RH, non-condensing Pressure: 70KPa to 106KPa									
Expected Service Life	5 years									
Packaging	1 piece in a inner box, 50 pieces in an export carton									