



RTHMG



IMPORTANT!

It is essential that you read the instructions in this manual before assembling, operating, and maintaining the product.

Subject to technical modifications.

Safety, performance, and dependability have been given top priority in the design of your infrared thermometer.

INTENDED USE

The infrared thermometer is intended to be used only by adults who have read and understood the instructions and warnings in this manual, and can be considered responsible for their actions.

The product is intended for the following applications:

- Detecting hot/cold spots in door and window seals to help pinpoint draft areas or leakage of warm or cool air
- Checking the temperature of air vents
- Checking the exterior/interior surfaces of household items and appliances
- Automotive applications

The product is intended for indoor use only.

Do not use the product for any other purpose. Use of the product for operations different from intended could result in a hazardous situation.

INFRARED THERMOMETER SAFETY WARNINGS

- Laser radiation. Do not stare into beam. Class 2 laser product.
- Risk of severe eye injury if the laser beam is directed at persons or animals. Avoid direct eye exposure.

- Do not direct the laser beam towards other people.
- Do not operate the product around children or allow children to operate the laser.
- Avoid using the product on reflective surfaces. The laser beam may be reflected at the operator or other persons.
- Store the product indoors and avoid substantial knocks, continuous vibration or extreme temperatures.
- Always keep the product away from dust, liquids and high humidity. They may damage internal components or affect accuracy.
- Do not remove or deface warning labels on the product.
- Do not disassemble the product.
- Avoid heavy impact to or dropping of the laser. The accuracy of the laser should be checked before use if it has been dropped or subjected to other mechanical stresses.
- Do not operate the product in explosive areas or in extreme environments.
- If the product is used in a manner not specified by the manufacturer, the protection provided by the product may be impaired.

MAINTENANCE

- Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to various types of commercial solvents and may be damaged by their use. Use clean cloths to remove dirt, carbon dust, etc.
- For greater safety and reliability, all repairs should be performed by an authorised service centre.

SYMBOLS ON THE PRODUCT



Regulatory Compliance Mark (RCM).
Product meets applicable regulatory requirements.



Please read the instructions carefully before starting the machine.



Class 2 laser beam.
Do not stare into the laser beam.

Do not dispose of waste batteries, waste electrical and electronic equipment as unsorted municipal waste. Waste batteries and waste electrical and electronic equipment must be collected separately. Waste batteries, waste accumulators, and light sources have to be removed from the equipment. Check with your local authority or retailer for recycling advice and collection point. According to local regulations, retailers may have an obligation to take back waste batteries and waste electrical and electronic equipment free of charge. Your contribution to the reuse and recycling of waste batteries and waste electrical and electronic equipment helps to reduce the demand of raw materials.



Waste batteries, in particular containing lithium, and waste electrical and electronic equipment contain valuable and recyclable materials, which can adversely impact the environment and the human health if not disposed of in an environmentally compatible manner. Delete personal data from waste equipment, if any.

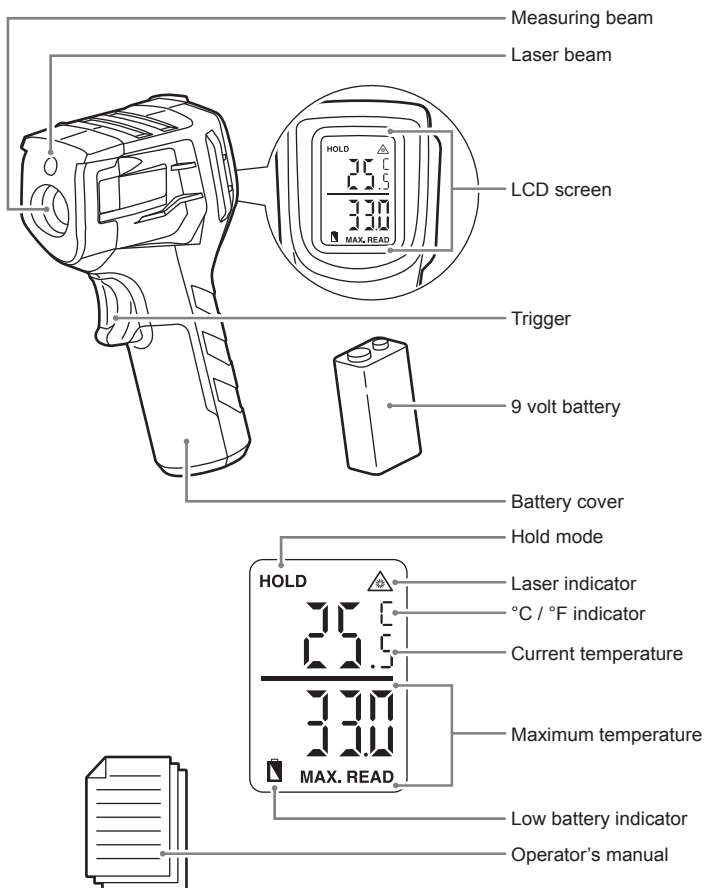
SYMBOLS IN THIS MANUAL

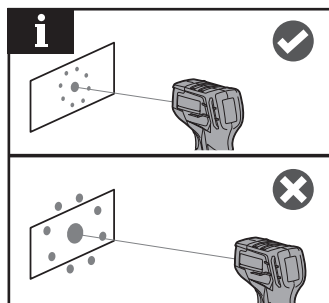
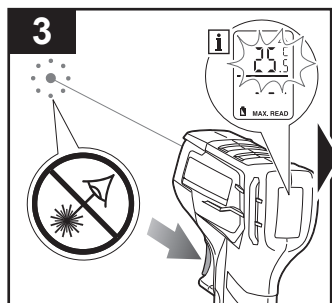
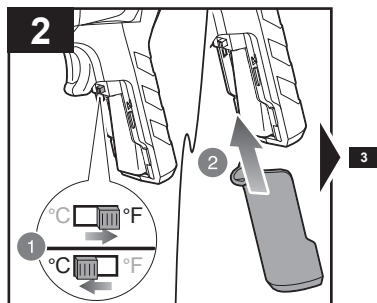
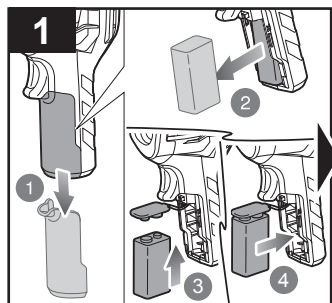


Note



Do not stare into the laser beam.



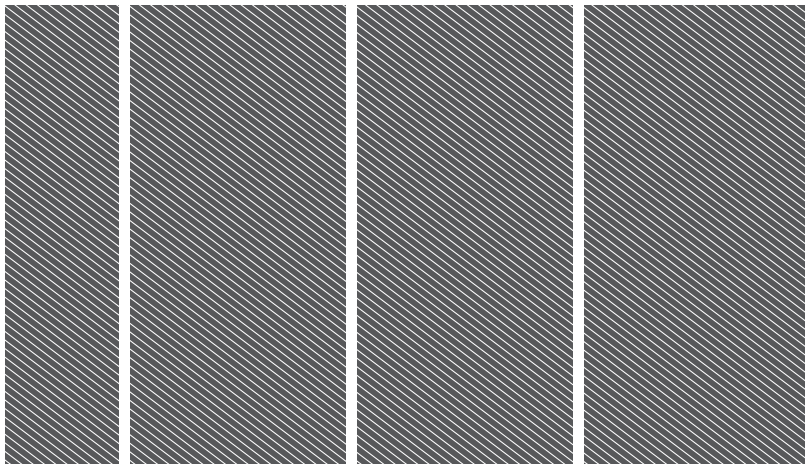


PRODUCT SPECIFICATIONS

Infrared thermometer

Model	RTHMG
Battery	9V Alkaline
Temperature range	-50°C ~ 550°C (-58°F ~ 999.9°F)
Laser class/Laser power output	2, <1mW
Laser wavelength	650 nm
Laser dots	8
Beam divergence	1.5 mrad
Battery run time	20 hrs
Product size	8.8 cm(L) x 4.3 cm(W) x 14.5 cm(H)
Operating temperature range	0°C ~ 50°C
Storage temperature range	-10°C ~ 60°C
Relative humidity (no condensation)	20% ~ 80%RH
Accuracy Point	$\pm 6^{\circ}\text{C}$ ($\leq 0^{\circ}\text{C}$) $\pm 2^{\circ}\text{C}$ or 3% of the reading, whichever is greater ($> 0^{\circ}\text{C}$)
Resolution (1 decimal)	0.1 °C
Distance to spot ratio (D:S)	8 : 1
Emission coefficient	Preset to 0.95
Temperature update	0.5 secs.
Operating altitude	$\leq 2000\text{m}$
Pollution degree	2





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