

# Infrared Thermometer

OWNER'S MANUAL — Please read before using this equipment.

Your RadioShack Infrared Thermometer is compact and easy to use. Just aim, press the button, and read the temperature in less than a second! You can safely measure surface temperatures of hot, hazardous, or hard-to-reach objects without having to touch them.

## INSTALLING THE BATTERY

Your thermometer requires one 12V battery (not supplied) for power. For the best performance and longest life, we recommend a RadioShack alkaline battery.

**Caution:** Use only fresh batteries of the required size and recommended type.

1. Push the tab on the battery compartment cover toward the top of the thermometer and lift the cover off.
2. Place the battery in the compartment with the positive terminal (+) to the left.
3. Replace the cover.

When the thermometer stops operating properly, replace the battery.

**Warning:** Dispose of old batteries promptly and properly. Do not burn or bury them.

**Caution:** If you do not plan to use the thermometer for a month or more, remove the battery. Batteries can leak chemicals that can destroy electronic parts.

## OPERATION

As the distance from the object increases, the spot size of the area measured by the thermometer becomes larger. For the most accurate temperature readings, the target should be about twice as large as the thermometer's spot size. Your thermometer is best used at a distance of 3 to 12 inches (75 to 300mm) from the target.

1. Press the button on the side of the thermometer to read the surface temperature of an object.
2. Release the button. The temperature reading appears for 7 seconds.

### Cautions:

- Not recommended for taking human temperature.
- Protect the thermometer from Electro-Magnetic Interference from induction heaters and microwave ovens.
- Keep the thermometer away from Electro Static Discharge.
- Protect the thermometer from "thermal shock", caused by large or abrupt ambient temperature changes. Allow 30 minutes for the thermometer to stabilize before use when exposed to large temperature swings.
- Do not leave the thermometer on or near hot objects.

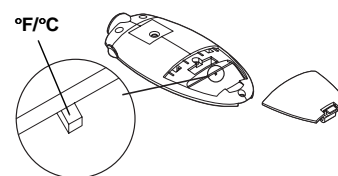
### Notes:

- Shiny or polished surfaces can give inaccurate readings. To compensate for this, cover the surface with masking tape or flat-colored paint. When the tape or paint reaches the same temperature as the target underneath, measure its temperature.
- The thermometer cannot measure through transparent surfaces such as glass or plastic. It will measure the surface temperature instead.
- Steam, dust, smoke, and other optical obstructions can prevent accurate measurement. Hold the thermometer back and at an angle for an accurate measurement.

### °C or °F

The °C or °F (Celsius/Fahrenheit) switch is located inside the battery compartment.

1. Open the battery compartment cover and remove the battery.
2. Flip the switch to the left to measure the temperature in Fahrenheit and to the right to measure in Celsius.
3. Replace the battery and the cover.



## CARE

Keep the thermometer dry; if it gets wet, wipe it dry immediately. Use and store the thermometer only in normal temperature environments. Handle the thermometer carefully; do not drop it. Keep the thermometer away from dust and dirt, and wipe it with a damp cloth occasionally to keep it looking new.

Modifying or tampering with the thermometer's internal components can cause a malfunction and might invalidate its warranty. If your thermometer is not performing as it should, take it to your local RadioShack store for assistance.

## SPECIFICATIONS

Temperature range	0 to 400°F (–18 to 200°C)
Accuracy (at 78°F ambient):	
30 to 400°F (–1 to 200°C)	±2.5% of reading or ±4°F (±2.5°C) whichever is greater
Below 30°F (–1°C)	±7°F (±4°C)
Response time	0.5 second
Operating environment	32 to 120°F (0 to 50°C) at a relative humidity of 10 – 95%
Power	12V Alkaline battery
Distance to Spot Size (D:S)	3:1

Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.

### Limited Ninety-Day Warranty

This product is warranted by RadioShack against manufacturing defects in material and workmanship under normal use for ninety (90) days from the date of purchase from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. EXCEPT AS PROVIDED HEREIN, RadioShack MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, RadioShack SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF RadioShack HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

In the event of a product defect during the warranty period, take the product and the RadioShack sales receipt as proof of purchase date to any RadioShack store. RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by product repair without charge for parts and labor; (b) replace the product with one of the same or similar design; or (c) refund the purchase price. All replaced parts and products, and products on which a refund is made, become the property of RadioShack. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs other than those provided by a RadioShack Authorized Service Facility; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product removal, installation, set-up service adjustment or reinstallation.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

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