

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 300 mm) 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.



Selecting °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 (F) and to the right to measure in Celsius (C).
3. Replace the battery and the cover.

Points to Consider:

- Shiny or polished surfaces can give inaccurate readings. To compensate for this, cover the surface with masking tape or flat-coloured 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.

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.

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 clean.

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, contact RS Components for assistance.

RS Components
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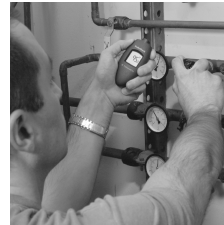
SPECIFICATIONS

Temperature Range:	0° to 400°F (-18° to 200°C)
Accuracy:	30° to 390°F (1° to 200°C) = ±2.5% of reading or ±4°F (±2.5°C), whichever is greater
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 (Part No. 593-697)
Distance to Spot Size Ratio (D:S):	3:1
Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.	



Non-Contact Infra-Red THERMOMETER

Owner's Manual



This RS Components infra-red thermometer is compact easy to use. Just aim, press the button, and read the temperature in less than a second! It will safely measure surface temperatures of hot, hazardous, or hard-to-reach objects without having to touch them.

Please read this manual before using the thermometer.

Installing the Battery

Your thermometer requires one 12V battery for power. For the best performance and longest life, we recommend a RS Components alkaline battery (Part No. 593-697).

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.

Additional important information inside ▶

Manufactured in the USA for

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