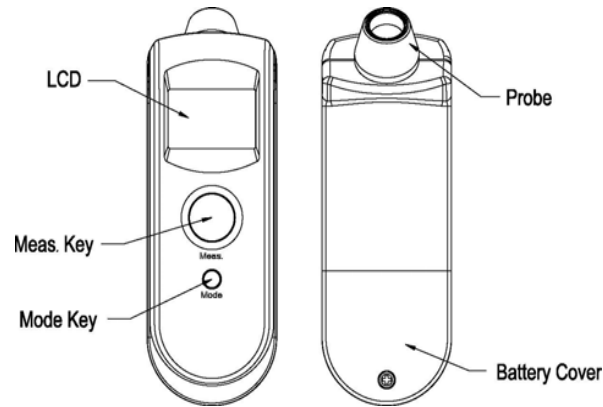# Operating Instructions for Model TIF7201 Infrared Thermometer
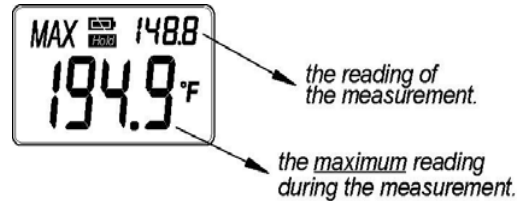
Thank you for purchasing our non-contact infrared thermometer. Please remember to keep away from children and don't use it for safety related applications.

LCD
Probe
Meas. Key
Mode Key
Battery Cover

Use of the thermometer

(Always displays the Max measured temperature)

1 Always make sure the probe is clean without any damage.
2 Power on: Press the "Meas. key".
3 Temperature measurement: Press the "Meas." Key. The current measurement will be continuously updated at the center of the LCD.

  # **The maximum measurement will also be continuously updated at the top of the LCD while you press the "Meas. key".**

4 **°C / °F switch:**   Power on and press the "Mode key" to change the scale to °C. The setting will be reserved even if powered off.

5 Power off: Device will shut down automatically if left idle for more than 60sec to extend battery life.

the reading of the measurement.

the maximum reading during the measurement.

Important notes

Storage & Cleaning: The sensor lens should be kept clean at all times and stored at room temperature.
  1. Use only a soft cloth or cotton swab with water or medical alcohol when cleaning the lens.
  2. Remember to allow the lens to fully dry before using.
  3. The thermometer should be stored at –20 to +65 ^{o}C (-4 to 149 ^{o}F).

EMC/RFI: Readings may be affected if the unit is operated within radio frequency electromagnetic field strength of approximately 3 volts per meter, but the performance of the instrument will not be permanently affected.

⚠ Avoid keeping the thermometer too close for long periods to objects that continuously generate high heat (like a hot plate), which can cause overheating of the thermometer

Battery replacement

The battery should be replaced immediately with a CR2032 lithium cell.

1. Loosen the screw on the battery cover.
2. Open the battery cover from the seams of housing with your fingernail.
3. Use the screwdriver to take the battery out.
4. Replace the new battery on the left side of battery chamber and make sure the battery is hooked. Then press the battery and you will hear the click sound.
5. Close the battery cover and fasten the screw on the battery cover.

⚠ If a malfunction occurs, restart the device. Keep the battery away from children.

Trouble shooting

'Hi' or 'Lo' is displayed when the temperature being measured is outside of the range of the instrument, 'Hi' when higher than +220°C (428°F) and 'Lo' when lower than –33°C (-27°F). ☑ Please select target within specifications. If a malfunction still exists, please contact the nearest retailer.

'Er2' is displayed when the thermometer is exposed to rapid changes in the ambient temperature. 'Er3' is displayed when the ambient temperature exceeds -10°C (14°F) OR +50°C (122°F). ☑ The thermometer should be allowed time to stabilize to the working/room temperature (approx. 30min.).

☑ For all other error messages it is necessary to reset the thermometer. To reset the thermometer, wait for the instrument to power off, remove the battery and wait for a minimum of one minute, reinsert the battery and turn on. If the error message remains please contact the Service Department for further assistance.

Specifications:

☑ Temperature measurement range: -33 to +220°C (-27 to +428°F)
☑ Operating temperature range: -10 to +50°C (14 to +122°F)
☑ Accuracy(Tamb=23±3°C): ±2% of reading or ±2°C(4°F)
☑ Resolution: 0.1°C/°F
☑ Field of View: 1:1
☑ Emissivity Range: 0.95 fixed
☑ Auto real time Max data, °C/°F Switch, Large LCD display with backlight
☑ Auto power off after 15seconds
☑ Battery Life: Typ.25 / Min.20 hours continuous use
☑ Battery: one CR2032 lithium cell battery