


Lumiscope L2214 Thermometer Instruction Manual

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Lumiscope Digital Thermometer Model: L2214

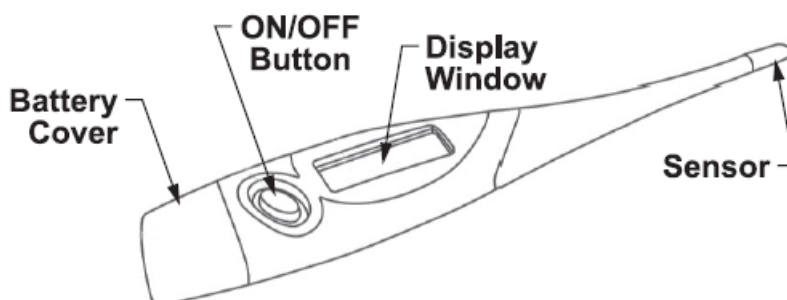
INSTRUCTIONS FOR USE

Please read carefully before using


Features

1. Fast oral temperature measurement in approximately 10 seconds.
2. Very sensitive unit; best for quick oral and rectal measurement.
3. Easy to read digital LCD (Liquid Crystal Display).
4. Flexible soft tip fits naturally under tongue or under arm. Won't poke or hurt. Flexible probe conforms to different mouths.
5. Compact, accurate and durable LSI (Large Scale Integration) unit.
6. If the thermometer is inadvertently left on after temperature stabilization, it will automatically shut off in about 10 minutes.
7. Small, lightweight unit. Universal use for the whole family.
8. Less hazardous than mercury glass thermometers.
9. Low battery indicator: when the symbol "**BATTERY COVER**" appears, the battery needs to be replaced.
10. This unit is waterproof.

Parts Description



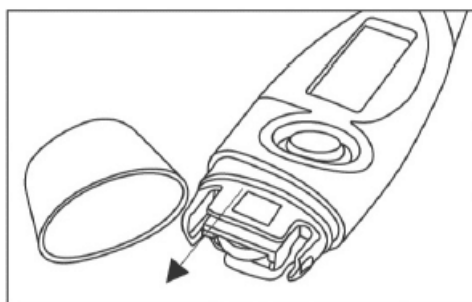
Specifications

Range	90°F ~ 109.3°F (32.0°C ~ 42.9°C) < 90.0°F (32.0°C) displays Lo°F (°C) > 109.9°F (42.9°C) displays Hi°F (°C)
Resolution	0.1° F (°C)
Accuracy	±0.2°F (93.2°F to 107.6°F) ±0.4°F (other range) ±0.1°C (34.0°C to 42.0°C) ±0.2°C (other range)
Display	LCD (Liquid Crystal Display) 3 ½ digits
Battery (included)	Micro alkaline battery 192.LR41.1 5.5V
Power Consumption	0.15 milliwatts in measurement mode
Battery Life	> 200 hours continuous operation
Dimensions	5.28 in x .98 in x .47 in (134 mm x 25 mm x 12 mm)
Weight	Approximately 0.03 lb (14 g) including battery
Beeper	Approximately 8 seconds sound signal when peak temperature is reached
Memory	Built-in memory enables display of previously measured value
Operation Environment	Temperature 50°F ~ 95°F (10°C ~ 35°C) Humidity 30% ~ 75% RH
Storage Environment	Temperature 13°F ~ 140°F (-25°C ~ 60°C)
Guarantee of Quality	Certification ISO 13485 Conformity EN12470-3, EN60601-1
Product Classification	Type BF  equipment

Precautions — Care and Maintenance

1. Do not boil the probe. Clean the thermometer by wiping it with a clean, dry cloth, and disinfect the probe with isopropyl alcohol.
2. Do not drop the thermometer or expose it to heavy shock. The thermometer is not shockproof.
3. Do not bend or bite the probe.
4. Do not store the thermometer in direct sunlight, high temperature, high humidity, or in a dusty environment. Performance may be degraded.
5. Stop using the thermometer if it operates erratically or if the display malfunctions.
6. Keep thermometer out of the reach of children and always supervise children during measurement.
7. Clean the thermometer probe before storing.
8. Do not disassemble the thermometer except to replace the battery.
9. If the thermometer has been stored at below-freezing temperatures, allow it to warm naturally to room temperature before use.
10. Thermometer performance may be degraded if operated or stored outside recommended temperature and humidity ranges shown in Specifications section above, or if the patient's temperature is below ambient (room) temperature.

Battery Replacement



1. When the symbol “**BATTERY COVER**” appears, the battery needs to be replaced.
2. Pull the battery cover off in the direction shown below.
3. If necessary, use a pointed object such as a toothpick or insulated probe to gently pry the battery cover and battery loose; avoid using a sharp metal object for this operation.
4. Place a new 1.55 VDC button-size battery, type 192.LR41 or equivalent, in the battery chamber with negative side (–) up and positive side (+) down.
5. Replace and fasten the battery cover securely.

Warning: Discard the old battery carefully, out of the reach of children. Swallowing the battery could be harmful or fatal. If the battery is inadvertently swallowed, contact a hospital immediately to have it removed. Do not dispose of the battery in a fire. It may explode.

How to Use the Thermometer

1. Depress the ON/OFF button. The display will show



2. Release the ON/OFF button. The display will show Lo°F (Lo°C) with °F (°C) flashing.
3. Disinfect the probe with isopropyl alcohol. See instructions below to place the probe in an appropriate position (oral, axillary, or rectal).
4. Once the degree sign (°F or °C) has stopped flashing, usually within 15-30 seconds, the correct temperature is shown. The temperature showing will not change after the °F (°C) has stopped flashing.
5. The thermometer will automatically turn off in approximately 9 minutes. However, to prolong battery life, it is best to turn the thermometer off by pressing the ON/OFF button once the temperature has been noted.

Special Features

Normal Temperature Alarm: When the peak temperature has registered and is ready to read, an alarm will sound. The “Normal Temperature” alarm (10 beeps) will sound for approximately 8 seconds.

Fever Alarm: When the peak temperature has registered higher than 99.5°F (37.5°C), the fever alarm (approximately 10 seconds of quick beeps) will sound.

Automatic Last Temperature Recall: When the ON/OFF button is pressed to activate the thermometer, display 188.8 will change to show the last measured temperature value, then return to “ready to measure” mode.

Fahrenheit and Celsius Switchable: The Fahrenheit or Celsius mode can be switched by pressing the ON/OFF button within the first 5 seconds.

Note: Always disinfect the thermometer before use.

Note: In Step 2, if the room temperature is greater than 90.0°F (32.0°C), it will be displayed rather than Lo°F (°C).

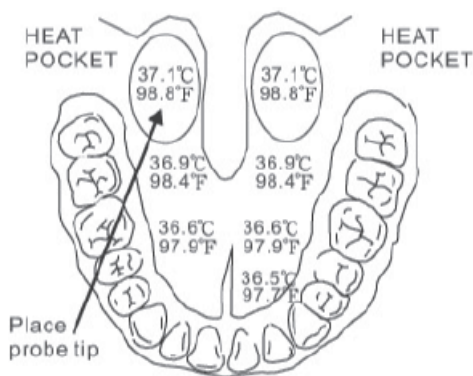
Note: In Step 3, you may put a sanitary plastic probe shield on the sensor tip to help prevent cross infection and contamination. Use of the probe cover may result in a 0.2°F (0.1°C) difference from actual temperature. Dispose of any used probe shield and store the thermometer in a safe place.

Reliable Methods to Measure Temperature

Measuring Body Temperature: Change in body temperature is one of the most important indicators of illness. It is important that accurate temperatures be taken. Even though the digital thermometer is used in similar manner to the glass thermometer, instructions for use of this thermometer must be followed closely, and the person taking the temperature must understand body temperature.

Body Temperature: A person's body temperature is usually several tenths to one full degree lower in the morning than in the late afternoon. Therefore, if your temperature in the morning is 97.9°F (36.6°C), it could be 98.4°F (36.9°C) or more in the late afternoon and still be normal. To determine what your normal body temperature is, you should take your temperature both in the early morning and late afternoon over several days. Children have the same normal temperature range as adults. A fever for both children and adults is typically defined as an oral temperature higher than 99.5°F (37.5°C). Exercise, excessive clothing, hot bath, hot weather, and warm food and drink can cause mild elevations of up to 100.4°F (38°C) in oral temperature. If you suspect one of these to be the cause of an elevated reading, eliminate the possible cause and retake the temperature in half an hour.

Oral Use



Place the probe well under the patient's tongue. Instruct the patient to keep their mouth closed while the thermometer is measuring. A normal oral temperature is usually considered to be between 96.8°F – 98.6°F (36.0°C – 37.5°C).

Rectal Use

If rectal temperature is recommended by your doctor, you may use a probe cover. Insert thermometer tip into the probe cover. Lubricate the probe cover with a water soluble jelly for easier insertion. Do not use petroleum jelly. Insert tip of probe no more than ½ inch into rectum. Stop if you meet any resistance. The sensing device is on the very tip of the probe and there is no need to insert the probe deep into the rectum. Rectal temperature is usually approximately 1.0°F – 2.0°F (0.5°C – 1.0°C) higher than oral temperature.

Axillary Use (Armpit)

Wipe armpit with a dry towel. Place probe in the patient's armpit and keep the patient's arm pressed firmly against their side. Axillary temperature is usually approximately 1.0°F – 2.0°F (0.5°C – 1.0°C) lower than oral temperature. Note: In order to achieve better axillary temperature measurement result, a minimum measuring time of 3-5 minutes is recommended regardless of the beep sound.

Note: Children should be attended by an adult during the entire temperature recording process. After use, the digital thermometer should be stored in a safe place, out of the reach of children. If you compare temperatures between two thermometers, it is possible to have two different readings, even if both thermometers are within their accuracy tolerances. Differences in how you take each reading and the thermometer's tolerance range can account for nearly 0.2°F (0.1°C) variability.

Remember: Find your normal temperature and watch for changes.

Cleaning Instructions

To clean the thermometer, wash the tip with a solution of mild detergent and cool water. To disinfect the thermometer, wipe the sensor and lower stem with a clean cloth dipped in isopropyl alcohol.

Limited warranty

This thermometer is guaranteed against manufacturer's defects under normal household use for one year from the date of purchase. Following the instructions closely will ensure years of dependable operation. If the thermometer does not function properly, first check the battery and replace it if necessary (see instructions above). Repair Department: 1-800-672-8293.

[Lumiscscope-GFL2214-Manual](#)

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