

KIZEN

# LaserPro LP300 Infrared Thermometer Gun

## Illustrated User Guide

Model LP300 | Surface temperature only | English edition



**Important:** This is an independent illustrated guide compiled from the product listing and available LP300 documentation. It is not an official KIZEN publication.

**Not for measuring human or animal body temperature.**

# 1. Safety first

The laser is an aiming aid. The thermometer measures infrared energy from a surface; it does not measure internal temperature.

- Never aim the laser at eyes, faces, people, or animals.
- Do not look into the laser aperture or aim it at highly reflective surfaces.
- Keep the thermometer away from steam, smoke, heavy dust, and splashing liquids.
- Do not place the thermometer on a hot surface or inside an oven.
- Measure from outside the hot area and keep your hand away from heat, flame, moving parts, and live electrical equipment.
- The LP300 is intended for surface measurements, not medical use and not internal food temperature.

## What the LP300 can measure

|                   |                                                                                              |
|-------------------|----------------------------------------------------------------------------------------------|
| Typical uses      | Griddles, pizza ovens, pans, HVAC surfaces, engines, refrigerators and other surface checks. |
| Temperature range | -58°F to 1112°F (-50°C to 600°C).                                                            |
| Power             | Two AAA batteries.                                                                           |
| Measurement type  | Non-contact infrared surface temperature.                                                    |

The Amazon product listing gives a 500 ms response time, 0.1° display resolution, and an adjustable emissivity range of 0.10 to 1.00.

## 2. Know the controls and display



C/F  
Switch



Backlight  
Display



Emissivity  
Adjustable



Low Battery  
Indicator



Data Hold



Laser  
Display



Auto Off

# Handy Features



### Main controls

|                        |                                                                                                                             |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Trigger                | Pull and hold to power the unit and scan continuously. Release to hold the last reading.                                    |
| EMS button             | Opens or changes the emissivity setting.                                                                                    |
| °C/°F control          | Changes the displayed temperature unit. Depending on production revision, this function may share a key with the backlight. |
| Light / laser controls | Toggle the backlight and laser aiming indicator. The screen icons show when each is active.                                 |

Button markings can differ slightly between LP300 production revisions. Use the icons printed on your unit as the final reference.

### 3. Take a temperature reading

1

#### Install batteries

Open the battery compartment in the handle. Insert two fresh AAA batteries according to the + and - markings, then close the compartment.

2

#### Choose the unit

Select °F or °C using the unit control.

3

#### Set emissivity if needed

For most painted, food, wood, paper, rubber, and other non-shiny surfaces, start with a high emissivity setting. For shiny metal, glass, or unusual materials, see Section 5.

4

#### Aim at the surface

Point the sensor at the area you want to check. The laser marks the general aim point, not the full measurement area.

5

#### Pull and hold the trigger

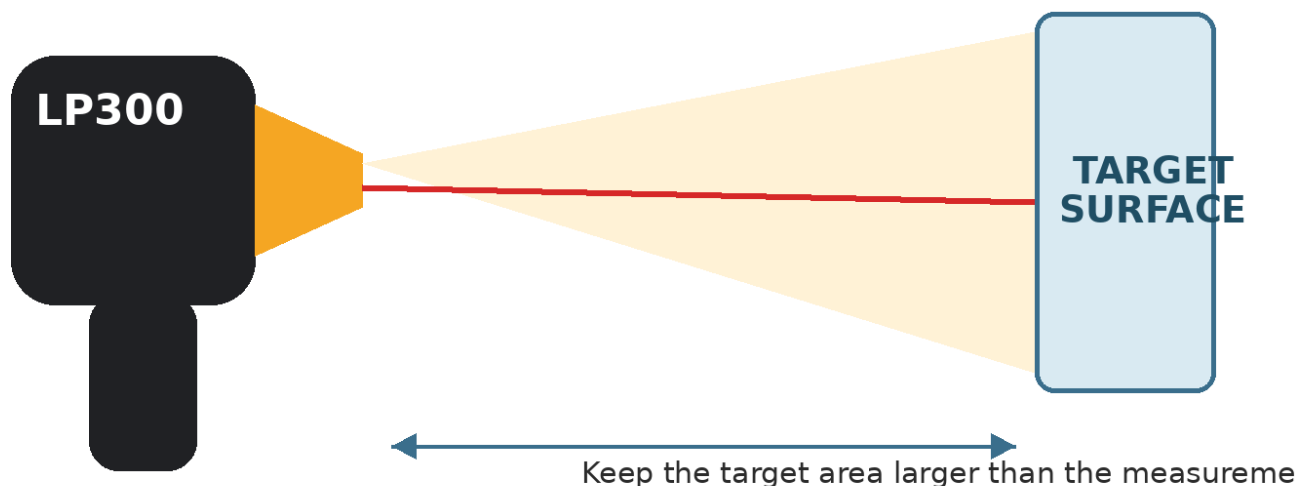
The display updates continuously while the trigger is held. Scan slowly if you are looking for hotter or colder areas.

6

#### Release to hold

Release the trigger. HOLD appears and the last reading remains briefly on the display.

**Aim straight at the surface and hold the trigger for a liv**



The product listing recommends about 14 inches from the target for best results. Move closer when measuring a small object so the measured spot stays on the target.

## 4. Emissivity: the setting that affects accuracy

Emissivity describes how effectively a surface emits infrared energy. The LP300 allows settings from 0.10 to 1.00. A wrong setting can make the displayed temperature too high or too low.

### How to adjust it

1

#### Check the material

Use the emissivity card supplied with the thermometer, when available, or a reliable material chart.

2

#### Press EMS

Enter the emissivity adjustment mode with the EMS button.

3

#### Select the value

Adjust the number to match the material, then take the reading.

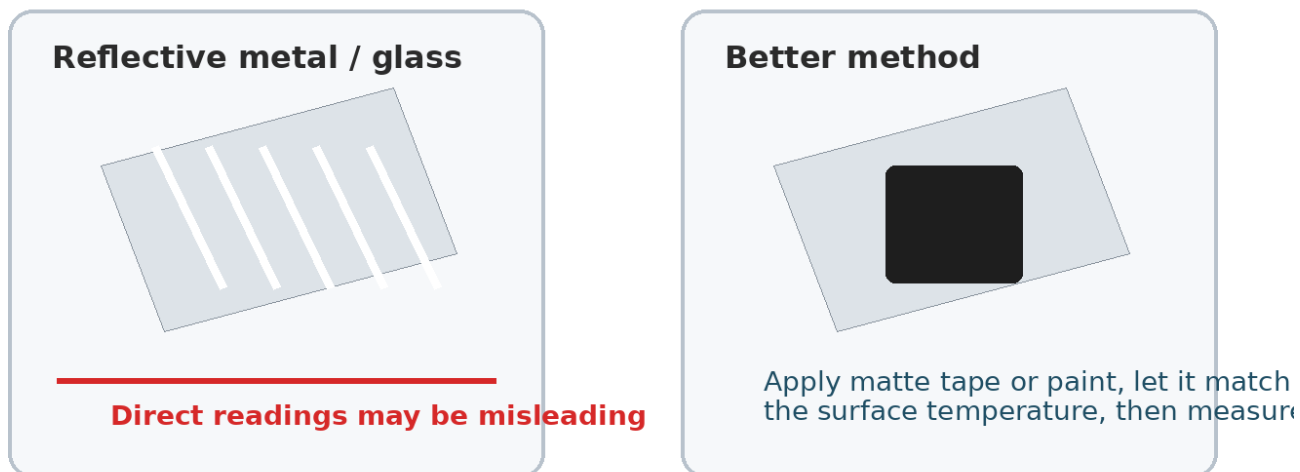
### Useful examples from available LP300 documentation

|                               |                                                                  |
|-------------------------------|------------------------------------------------------------------|
| Liquid water                  | 0.93                                                             |
| Snow                          | 0.83-0.90                                                        |
| Aluminum heat-press platen    | about 0.30                                                       |
| Many matte / painted surfaces | usually high emissivity; use the supplied chart for the material |

**Do not assume one emissivity value works for every surface. Oxidation, paint, finish, texture, and temperature can change the effective value.**

## 5. Difficult surfaces and better methods

### Shiny or transparent surfaces need extra care



#### Glass

Infrared thermometers usually read the surface facing the sensor, not through clear glass. For a better reading, place opaque matte tape or paint on the glass, allow it to reach the same temperature, set emissivity for that material, and measure the covered area.

#### Shiny metal

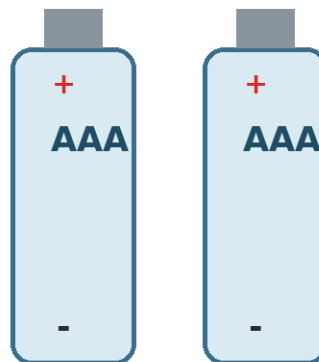
Bare polished metal can reflect infrared energy from nearby objects. Use matte tape or a small patch of high-temperature matte coating when safe. Let the patch reach the metal temperature before measuring it.

#### Food and liquids

The LP300 reads only the surface. Stir liquids when safe and measure the surface again. For meat, bread, candy, soap, or other processes where internal temperature matters, use a suitable contact probe thermometer as well.

## 6. Batteries, care, and troubleshooting

### Battery replacement



Insert two fresh AAA batteries, matching the +

### Cleaning and storage

- Wipe the housing with a soft, slightly damp cloth. Do not immerse the thermometer.
- Keep the sensor opening clean. Use gentle air or a soft lens-safe cloth; do not scrape it.
- Remove the batteries for long-term storage.
- Allow the thermometer to acclimate after a large change in room temperature before relying on a precise reading.

### Troubleshooting

|                             |                                                                                                                                                     |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| No power                    | Check battery polarity, try two fresh AAA batteries, and inspect the contacts for dirt or corrosion.                                                |
| Reading seems wrong         | Check emissivity, move closer, confirm the target fills the measurement area, and avoid steam or reflective surfaces.                               |
| Display shows low battery   | Replace both AAA batteries together.                                                                                                                |
| Persistent U6.6 / U66 error | Available LP300 support information treats this as a possible sensor or hardware fault. Contact KIZEN or the seller if fresh batteries do not help. |
| Unstable readings           | Hold the trigger, aim at one area, and allow the unit and target environment to stabilize.                                                          |

## 7. Quick reference

|            |                                                     |
|------------|-----------------------------------------------------|
| Model      | KIZEN LaserPro LP300                                |
| ASIN       | B07VSHR9M6                                          |
| Range      | -58°F to 1112°F (-50°C to 600°C)                    |
| Emissivity | Adjustable 0.10-1.00                                |
| Power      | 2 x AAA batteries                                   |
| Display    | Backlit digital LCD with HOLD and battery indicator |
| Use        | Surface temperature only; not for body temperature  |

### Before every measurement

- Confirm the correct temperature unit.
- Check the emissivity setting.
- Aim at a surface large enough to fill the measurement spot.
- Keep the laser away from eyes and reflective paths.
- Use a probe thermometer when internal temperature matters.

### Sources consulted

1. KIZEN Amazon product listing for ASIN B07VSHR9M6: product specifications, operating range, 14-inch guidance, battery type, response time, display resolution, and non-medical use.
2. “KIZEN LaserPro LP300 Infrared Thermometer Gun Instruction Manual,” Manuals+: basic operation, emissivity adjustment, glass-measurement method, battery replacement, and selected emissivity examples.
3. User-supplied product photographs used for visual identification and control layout.

**For warranty, model revisions, or behavior that differs from this guide, follow the documentation supplied with your thermometer or contact KIZEN support.**