

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

› [HoldPeak](#) /

› [HoldPeak HP-320 Infrared Laser Thermometer Instruction Manual](#)

HoldPeak HP-320

HoldPeak HP-320 Infrared Laser Thermometer

INSTRUCTION MANUAL

1. Introduction

The HoldPeak HP-320 is a non-contact infrared thermometer designed for safe and accurate temperature measurement from a distance. It features a laser pointer for precise targeting, a backlit LCD display for easy reading, and a wide temperature range suitable for various applications. This manual provides detailed instructions for the proper use and maintenance of your device.

Safety Information

- **Laser Safety:** Do not stare directly into the laser beam or point it at people or animals. The laser is used for aiming only.
- **Temperature Range:** Do not attempt to measure temperatures outside the specified range of -30°C to 320°C (-22°F to 608°F).
- **Electrical Safety:** Do not immerse the device in water or expose it to extreme humidity. Do not use if the device is damaged.
- **Battery Safety:** Use only the specified 9V battery. Ensure correct polarity when installing. Remove the battery if the device will not be used for an extended period.
- **Maintenance:** Refer to the maintenance section for cleaning instructions. Do not attempt to disassemble or modify the device.

2. Setup

Battery Installation

The HoldPeak HP-320 requires one 9V battery for operation. Follow these steps to install the battery:

1. Locate the battery compartment door at the bottom of the handle.
2. Gently pull the battery compartment door downwards to open it.
3. Connect a 9V battery to the battery connector, ensuring correct polarity (+ to + and - to -).
4. Place the battery into the compartment.
5. Close the battery compartment door securely until it clicks into place.

HoldPeak[®]

Born to Meter

Measure objects' temperatures
from a safe and hazard-free distance.



This image series demonstrates the simple process of replacing the 9V battery in the HoldPeak HP-320 thermometer, showing how to open the battery compartment and insert the new battery.



The HoldPeak HP-320 infrared thermometer, shown alongside a 9V battery, which powers the device.

3. Operating Instructions

Basic Operation

To take a temperature reading:

1. Point the thermometer at the object you wish to measure. Ensure the target is within the device's field of view.
2. Press and hold the measurement trigger. The laser pointer will activate (if enabled) to help you aim.
3. The temperature reading will be displayed on the LCD screen. Release the trigger to hold the reading.

Display and Buttons



This diagram illustrates the key components of the HoldPeak HP-320, pointing out the LCD display, laser light button, mode button, set button, backlight/up button, trigger, and battery door.

- **LCD Display:** Shows temperature readings, unit indicators, and other relevant information.
- **Laser Light Button (▲):** Toggles the laser pointer on/off.
- **MODE Button:** Cycles through different measurement modes or settings (if applicable).
- **SET Button:** Confirms selections or enters settings menus.
- **Backlight / Up Button (▼):** Toggles the LCD backlight on/off. Also used for navigating menus or adjusting values.
- **Trigger:** Activates the measurement and laser.

Temperature Unit Conversion (°C/°F)

To switch between Celsius (°C) and Fahrenheit (°F):

- With the device powered on, press the 'MODE' button until the temperature unit setting is displayed.
- Use the '▲' or '▼' buttons to select your desired unit.
- Press the 'SET' button to confirm your selection.



This image highlights the versatility of the HoldPeak HP-320 infrared thermometer, showing its use in diverse scenarios such as automotive maintenance, cooking, and industrial temperature monitoring.

4. Maintenance

Cleaning

To ensure accurate readings and prolong the life of your thermometer:

- Clean the lens with a soft, damp cloth or cotton swab. Do not use abrasive cleaners or solvents.
- Wipe the device body with a soft, dry cloth.

- Ensure the device is dry before storage.

Storage

When not in use, store the thermometer in a cool, dry place, away from direct sunlight and extreme temperatures. Remove the battery if storing for extended periods to prevent leakage.

5. Troubleshooting

If you encounter issues with your HoldPeak HP-320, refer to the table below for common problems and solutions:

Problem	Possible Cause	Solution
Device does not turn on	Low or dead battery; Incorrect battery installation	Replace the 9V battery; Ensure battery is installed with correct polarity.
Inaccurate readings	Dirty lens; Object too far or too close; Emissivity setting (if applicable)	Clean the lens; Ensure proper distance to target; Refer to advanced settings for emissivity adjustment if available.
Laser not working	Laser disabled; Device malfunction	Press the laser button to enable; If issue persists, contact customer support.
LCD display is dim	Low battery; Backlight off	Replace the 9V battery; Press the backlight button to turn on.

6. Specifications

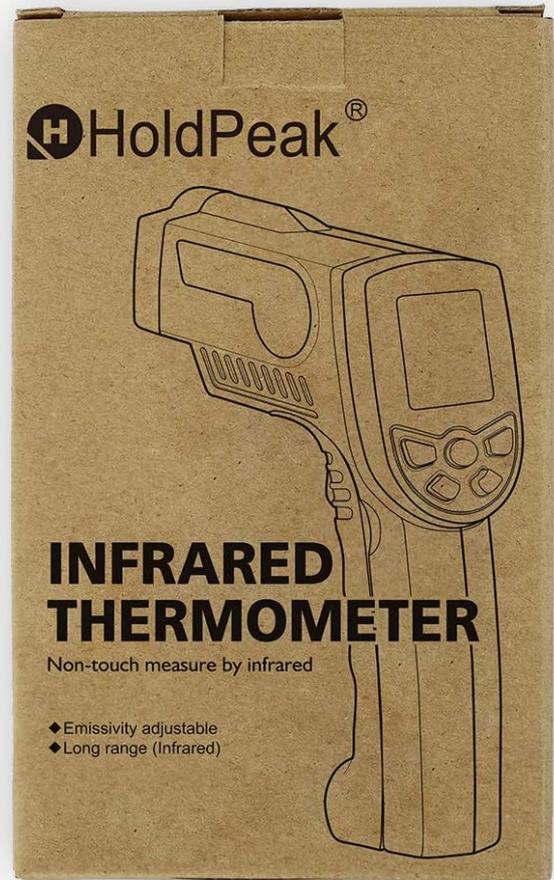
Key technical specifications for the HoldPeak HP-320 Infrared Laser Thermometer:

Feature	Specification
Model Number	HP-320-01
Temperature Range	-30°C to 320°C (-22°F to 608°F)
Accuracy	±2% or ±2°C (±3.6°F) (whichever is greater)
Response Time	Less than 0.5 seconds
Spectral Response	8-14 μm
Distance Spot Ratio (D:S)	12:1
Emissivity	0.95 (fixed)
Power Supply	1 x 9V Battery (included)
Automatic Power Off	Yes (after 7 seconds of inactivity)
Dimensions	14.61 x 8 x 3.81 cm (5.75 x 3.15 x 1.5 inches)
Weight	132 g (0.29 lbs)
Manufacturer	ZhuHai JiDa HuaPu Instrument Co.,Ltd



A visual representation of the HoldPeak HP-320 infrared thermometer's dimensions, indicating its length of 7.1 inches (180mm), height of 4.7 inches (120mm), and width of 2 inches (50mm).

Package Included



This image displays the complete package contents for the HoldPeak HP-320 infrared thermometer, including the device itself, the user instruction manual, and a 9V battery.

7. Warranty and Support

Warranty Information

HoldPeak products are manufactured to high-quality standards. For specific warranty terms and conditions, please refer to the warranty card included with your product or contact HoldPeak customer support.

Customer Support

If you have any questions, require technical assistance, or need to report an issue with your HoldPeak HP-320 thermometer, please contact our customer support team. Contact information can typically be found on the product packaging or the official HoldPeak website.

© 2023 HoldPeak. All rights reserved.
This manual is subject to change without notice.