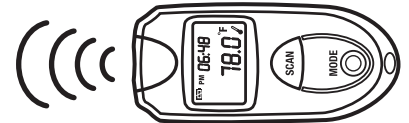




BIRDTEMP™

Digital Infrared Thermometer



INSTRUCTIONS

ITEM# RT-2

Congratulations on your purchase of Zoo Med's BIRDTEMP™ Digital Infrared Thermometer! Please read the following instructions carefully. If you have any questions regarding these instructions or the proper use of this item, please contact our customer service department at zoomed@zoomed.com or by calling (888) 496-6633 (US and Canada only). Customers in other countries, please call (805) 542-9988.

FEATURES:

- Instantly measures body temperatures, surface temperatures and thermal gradients in habitats, incubators, brooders, perches, etc.
- Simple to use: Just point and click!
- Temperature range: -28° to 230°F (-33° to 110°C). Measures in °F or °C.
- Min/Max feature: Easily find the coolest or warmest temperature in an area.
- Includes one 3 volt CR2032 lithium cell battery.

STANDBY MODE:

The thermometer enters **STANDBY** mode after 15 seconds of inactivity to conserve battery life. The ambient temperature, thermometer icon, and current time are displayed in **STANDBY** mode, but only after the clock is set. If the clock is not set, the display will be blank in **STANDBY** mode.

SETTING UP Your New BIRDTEMP™ Digital Infrared Thermometer:

NOTE: The display will exit programming mode after 15 seconds of inactivity.

SET THE TEMPERATURE SCALE (°F OR °C):
To check the current setting, look for °F or °C on the display. To change it, follow these steps:

1. Press the "SCAN" button once to exit **STANDBY** mode. The thermometer icon will disappear, and "Hold" will appear on the display.
2. Press the "MODE" button 5 times to cycle through the settings until the temperature scale (°F or °C) is flashing on the display.
3. With the temperature scale flashing, press "SCAN" to change the scale.

SET THE CLOCK:

1. Press the "SCAN" button once to exit **STANDBY** mode. The thermometer icon will disappear, and "Hold" will appear on the display.
2. Press the "MODE" button 6 times to cycle through the settings until **Set** flashes on the display next to the time.
3. **Set AM/PM or 24-Hour Clock:** With **Set** flashing, press "SCAN" once and then press "SCAN" again to select the 24-hour clock (indicated by "24" on the display), or 12-hour clock (PM will appear if the current time is during the PM).
4. **Set the Hour:** While still in the clock setting mode, press "MODE" until the hour flashes, and then press "SCAN" to change the hour.
5. **Set the Minutes:** Press "MODE" again until the minutes flash, then press "SCAN" to set the current time. Press "MODE" once more to exit programming.

USING Your New BIRDTEMP™ Digital Infrared Thermometer:

MEASURING TEMPERATURES:

To measure surface temperatures, simply "point and shoot" the thermometer at the surface to be measured while pressing the "SCAN" button. Press and release "SCAN" to take a quick reading, or press and hold "SCAN" button to take continuous measurements as you move the thermometer. While pressing "SCAN", the infrared icon flashes and the measured temperature is displayed. Once "SCAN" is released, the last recorded temperature is shown along with "Hold."

CONTINUOUSLY SCAN TEMPERATURES IN LOCK MODE:

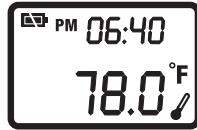
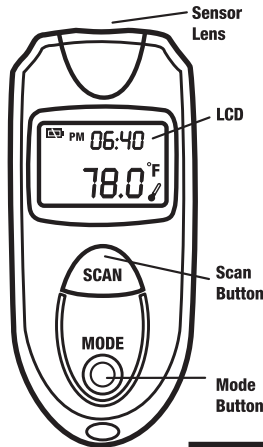
Set the thermometer to **LOCK** mode to continuously measure temperatures over a long period of time without having to hold down the "SCAN" button.

1. Press and release the "SCAN" button once to exit **STANDBY** mode. The thermometer icon will disappear, and "Hold" will appear on the display.
2. Press the "MODE" button 3 times to cycle through the settings until **LOCK** flashes on the display.
3. With **LOCK** flashing, press "SCAN" to enter **LOCK** mode and begin scanning temperatures for up to 60 minutes.
4. Press "SCAN" again to exit **LOCK** mode.

CHECK MINIMUM AND MAXIMUM TEMPERATURES IN AN AREA:

Set the thermometer to **MIN** or **MAX** mode to scan for the coolest and warmest temperatures. As you move the thermometer around, the display will remain unchanged until cooler or warmer temperatures are found. The minimum and maximum temperatures scanned are recorded on the display.

1. Press and release the "SCAN" button once to exit **STANDBY** mode. The thermometer icon will disappear, and "Hold" will appear on the display.
2. Press the "MODE" button once for **MIN** mode or twice for **MAX** mode. The words **MIN** or **MAX** will appear on the display.
3. To begin scanning for minimum or maximum temperatures, press and hold the "SCAN" button. The temperature will not scan if the button is not held down.
4. Your thermometer will automatically enter **STANDBY** mode after 15 seconds of inactivity.



(Standby Mode)

IMPORTANT NOTES:

- The area being measured by the thermometer increases as you move it away from the object. For example, if the thermometer is one inch away from the floor of your habitat, it will measure an area one inch in diameter. If you move the thermometer 3 inches away, it will measure an area 3 inches in diameter.
- The thermometer will not measure temperatures through screen mesh, glass, or plastic, but will instead measure the surface temperatures.
- Measuring polished or reflective surfaces may result in inaccurate readings.

CARE & MAINTENANCE:

- Store your BIRDTEMP™ Digital Infrared Thermometer in a dry area, away from extreme temperatures.
- Do not expose the thermometer to high humidity levels for long periods of time, and do not allow it to get wet.
- Do not drop the thermometer, or expose it to strong magnetic fields.
- Keep the sensor clean and dry. If cleaning is necessary, use a dry cotton swab to clean the surface of the sensor.

REPLACING THE BATTERY:

1. Use a small Phillips head screwdriver to loosen the screw on the back housing.
2. Remove the back housing to access the battery.
3. Use the screwdriver's tip to slide the battery out of its compartment by pushing it away from the sensor.
4. Slide a new 3 volt CR2032 battery into the compartment with the positive side (+) facing out as shown on the sticker.
5. Replace the back housing and fasten the screw tightly.
6. After replacing the battery, the thermometer settings must be reset (clock and °F or °C).

TROUBLESHOOTING:

Under extreme high or low temperature conditions, or when exposed to rapid temperature changes, an error message may appear on the display.

- **Hi or Lo** messages: This will occur if the temperature being measured is outside of the thermometer's operating range of -28° to 230°F (-33° to 110°C).
- **Er2** message: This indicates that the thermometer was exposed to a rapid change in the ambient temperature.
- **Er3** message: This indicates that ambient temperature is too hot or cold for the thermometer to function properly. The ambient temperature must be between 32°F (0°C) and 122°F (50°C).

For any error message, be sure that the thermometer is not being exposed to extreme temperatures and wait 30 minutes to allow the error message to clear. If the message does not clear, reset the thermometer by removing the battery and waiting one minute before replacing it. If the error message remains, contact Zoo Med's customer service department.

WARRANTY:

Zoo Med Laboratories, Inc. (Zoo Med) warrants each BIRDTEMP™ Digital Infrared Thermometer to be free of defects in material and workmanship under normal use and service for one year from the date of purchase. The obligation under this warranty is limited to the repair or replacement, at Zoo Med's discretion, of the product or any part thereof, when the product is returned to Zoo Med, freight prepaid. No claim shall be allowed under this warranty if, in the opinion of Zoo Med, the BIRDTEMP™ Digital Infrared Thermometer has been subject to accident or improper usage, including but not limited to: water damage, improper storage, accidental dropping, etc. This warranty is in lieu of all other warranties and representations express or implied. Please include your receipt, full name, address, phone number, and email address along with a note explaining failure when sending any product back to Zoo Med. Please allow 4 to 6 weeks for repair or replacement.

⚠ WARNING

- **INGESTION HAZARD:** This product contains a button cell or coin battery.
 - **DEATH** or serious injury can occur if ingested.
 - A swallowed button cell or coin battery can cause **Internal Chemical Burns** in as little as **2 hours**.
 - **KEEP** new and used batteries **OUT OF REACH OF CHILDREN**
 - **Seek immediate medical attention** if a battery is suspected to be swallowed or inserted inside any part of the body.
- a) Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. Do NOT dispose of batteries in household trash or incinerate them.
 - b) Even used batteries may cause severe injury or death.
 - c) Call a local poison control center for treatment information.
 - d) Non-rechargeable batteries are not to be recharged.
 - e) Do not force discharge, recharge, disassemble, heat above 60°C or incinerate. Doing so may result in injury due to venting, leakage, or explosion resulting in chemical burns.
 - f) Ensure the batteries are installed correctly according to polarity (+ and -).
 - g) Remove and immediately recycle or dispose of batteries from equipment not used for an extended period according to local regulations
 - h) Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children.

