

HK-902

Generic HK-902 Flexible Electronic Digital Thermometer User Manual

Model: HK-902

1. INTRODUCTION

This manual provides essential instructions for the safe and effective use of your Generic HK-902 Flexible Electronic Digital Thermometer. Please read this manual thoroughly before first use and keep it for future reference.

The HK-902 thermometer is designed to provide accurate temperature measurements for infants, children, and adults. Its flexible tip is intended for comfortable and safe use. This electronic thermometer offers a precision of ± 0.1 °C. It is constructed from high-quality, durable, and waterproof materials. Its compact size makes it suitable for travel, and a rigid storage case is included. Key features include:

- **Fast Temperature Measurement:** Provides readings quickly.
- **Safe and Mercury-Free:** Environmentally friendly and safe for all ages.
- **Highly Sensitive Metallic Probe:** Ensures precise readings.
- **Skin-Friendly Material:** Designed for comfort, especially for babies.
- **High Accuracy:** Error margin typically not exceeding ± 0.1 °C.
- **Waterproof Design:** Durable and easy to clean.
- **Portable:** Small, lightweight, and includes a rigid storage case for travel.



Figure 1: Generic HK-902 Digital Thermometer highlighting its features. The image shows the thermometer held in a hand, with icons illustrating its quick measurement, suitability for all ages, $\pm 0.1^{\circ}\text{C}$ accuracy, oral use, and power button.

2. COMPONENTS AND UNBOXING

Upon opening the package, ensure all components are present and undamaged. The package should contain:

- 1 x Generic HK-902 Digital Thermometer
- 1 x Rigid Storage Case
- 1 x Quality Certificate
- 1 x User Manual (this document)



Figure 2: The HK-902 thermometer shown with its retail packaging and protective storage case.

3. SETUP

3.1. Battery Installation

The HK-902 thermometer is powered by a button cell battery. The battery is typically pre-installed. If the display does not turn on or shows a low battery indicator, replace the battery as follows:

1. Gently slide open the battery cover located at the end opposite the flexible tip.
2. Remove the old battery.
3. Insert a new button cell battery (e.g., LR41 or SR41 equivalent) with the positive (+) side facing up.
4. Close the battery cover securely.

3.2. Initial Cleaning

Before first use, and after each use, clean the thermometer probe. Refer to the "Maintenance" section for detailed cleaning instructions.

4. OPERATING INSTRUCTIONS

4.1. Taking a Temperature Measurement

1. **Power On:** Press the power button (usually located near the display). A short beep will sound, and the display will show "188.8°C" followed by the last measured temperature for approximately 2 seconds. Then, "Lo°C" will appear, indicating it's ready for measurement.
2. **Positioning:**
 - **Oral Use:** Place the flexible tip under the tongue, as close as possible to the heat pocket. Close the mouth and hold the thermometer in place.
 - **Axillary (Underarm) Use:** Place the tip in the center of the armpit. Ensure the arm is pressed firmly against the body to hold the thermometer in place. This method may yield slightly lower readings than oral or rectal methods.
 - **Rectal Use (for infants/young children):** Apply a water-soluble lubricant to the tip. Gently insert the tip no more than 1-2 cm into the rectum. This method is generally considered the most accurate for infants.
3. **Measurement:** Keep the thermometer in position. The temperature reading will stabilize, and the thermometer will emit a series of beeps (usually 10 short beeps) to indicate that the measurement is complete. The measured temperature will be displayed.
4. **Reading the Display:** Read the temperature shown on the LCD screen.
5. **Power Off:** The thermometer will automatically shut off after approximately 10 minutes of inactivity to conserve battery life. You can also manually turn it off by pressing the power button again.



Figure 3: The HK-902 thermometer displaying a temperature reading of 37.6°C.

4.2. Memory Function

When the thermometer is turned on, it will briefly display the last measured temperature before showing "Lo°C". This allows you to track previous readings.

5. MAINTENANCE

5.1. Cleaning and Disinfection

It is crucial to clean and disinfect the thermometer before and after each use to prevent cross-contamination.

1. Wipe the probe and the entire thermometer body with a soft cloth dampened with 70% isopropyl alcohol or an antiseptic solution.
2. Alternatively, you can wash the flexible tip with soap and cool water. Since the thermometer is waterproof, it can be rinsed under running water.
3. Do not immerse the entire thermometer in water for extended periods, especially the display area.
4. Allow the thermometer to air dry completely before storing it.

5.2. Storage

Store the thermometer in its rigid protective case in a cool, dry place, away from direct sunlight and extreme temperatures. Keep it out of reach of children.

5.3. Battery Replacement

Refer to section 3.1 for instructions on replacing the battery when the low battery indicator appears on the display.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Thermometer does not turn on.	Dead or incorrectly installed battery.	Replace the battery (refer to Section 3.1) or ensure it is correctly inserted.
"Lo°C" displayed after measurement.	Temperature measured is below the minimum operating range (e.g., below 32°C).	This is normal if the ambient temperature is low or if the thermometer is not properly placed for measurement. Ensure proper placement.
"Hi°C" displayed.	Temperature measured is above the maximum operating range (e.g., above 42°C).	This indicates a very high temperature. Seek medical attention immediately. Ensure the thermometer is not exposed to extreme heat.
Inaccurate or inconsistent readings.	Improper placement, movement during measurement, or low battery.	Ensure the thermometer is placed correctly and held still until the beeps indicate completion. Replace the battery if it's low. Wait at least 15 minutes after eating, drinking, or exercising before taking an oral temperature.
Display shows "Err".	System error or malfunction.	Turn the thermometer off and then on again. If the error persists, the device may be faulty.

7. SPECIFICATIONS

Model Number:	HK-902
Measurement Range:	32.0 °C to 42.0 °C (89.6 °F to 107.6 °F)
Accuracy:	±0.1 °C (between 35.5 °C and 42.0 °C)
Display Type:	LCD (Liquid Crystal Display)
Power Source:	1 x Button Cell Battery (e.g., LR41 or SR41)
Automatic Shut-off:	Approximately 10 minutes
Dimensions (approx.):	13.8 x 2.7 x 2 cm
Weight (approx.):	20 grams
Material:	Metal probe, skin-friendly plastic body
Age Range (Description):	Baby, Child
Reusability:	Reusable

8. WARRANTY AND SUPPORT

Warranty information for the Generic HK-902 Digital Thermometer is typically provided with the product at the time of purchase. Please refer to any enclosed documentation, such as a warranty card or specific terms and conditions, for details regarding coverage and duration.

Information regarding the availability of spare parts is not provided in the product specifications. For support or inquiries, please contact the retailer or the manufacturer directly using the contact information provided with your purchase.