

Omron Healthcare MC-171W

OMRON Electronic Thermometer Kenon-kun MC-171W Instruction Manual

Model: MC-171W

1. INTRODUCTION

This manual provides essential instructions for the safe and effective use of your OMRON Electronic Thermometer Kenon-kun MC-171W. Please read this manual thoroughly before use and keep it for future reference. This device is designed for accurate body temperature measurement in the armpit or oral cavity.

2. SAFETY INFORMATION AND WARNINGS

WARNING:

- Self-diagnosis or treatment based on measurement results is dangerous. Always follow medical guidance.
- This product is not an ear thermometer. Do not measure temperature anywhere other than the armpit or oral cavity.
- Keep out of reach of infants and young children. Avoid use by children alone.
- Product warranty is limited to use within Japan.
- Always read the instruction manual carefully and use the device correctly.

This device is a Controlled Medical Device with Medical Device Certification (Approval) Number: **219AGBZX00040000**.

3. PRODUCT OVERVIEW

The OMRON Kenon-kun MC-171W is a compact and waterproof electronic thermometer designed for reliable temperature measurement. It features an easy-to-read display and an automatic shut-off function to conserve battery life.

3.1. Components

- Thermometer Unit
- Trial Battery (Alkaline manganese button battery LR41 x 1)
- Storage Case
- Instruction Manual



Image: Front view of the OMRON MC-171W Electronic Thermometer.



Image: Close-up of the thermometer display showing a temperature reading of 36.8°C.

4. SETUP

4.1. Battery Installation

The thermometer comes with a trial battery (LR41) pre-installed. If the battery needs replacement, follow these steps:

1. Locate the battery compartment cover, usually at the end opposite the measurement tip.
2. Carefully remove the cover.
3. Insert a new LR41 alkaline manganese button battery with the correct polarity (+/-).
4. Replace the battery compartment cover securely.

Note: Ensure the cover is properly sealed to maintain the device's water resistance.

5. OPERATING INSTRUCTIONS

5.1. General Use

1. Press the power button to turn on the thermometer. A short beep will sound, and the last measured temperature will be displayed briefly.
2. The display will then show 'L' and a flashing '°C' (or '°F'), indicating it is ready for measurement.

5.2. Armpit Measurement

For accurate armpit temperature measurement, follow these guidelines:

- Ensure the armpit is dry.
- Place the tip of the thermometer in the center of the armpit, inserting it from bottom to top.
- Press the elbow firmly against the side of the body, holding the arm at a 30° to 45° angle to ensure the thermometer is securely in place.
- Hold the thermometer in position for approximately 10 minutes until the buzzer sounds.



Image: Diagram showing that temperature can vary between the center and outer parts of the armpit.



Image: Illustration of correct armpit thermometer placement, with the elbow pressed against the side at a 30-45 degree angle.



Image: Examples of incorrect armpit thermometer positioning, indicating that the thermometer should not move or shift during measurement.

5.3. Oral Measurement

For accurate oral temperature measurement:

- Place the tip of the thermometer under the tongue, in one of the heat pockets at the base of the tongue.
- Close your mouth and hold the thermometer in place with your lips and fingers.
- Hold the thermometer in position for approximately 5 minutes until the buzzer sounds.

5.4. Reading Results

Once the measurement is complete and the buzzer sounds, the final temperature reading will be

displayed on the screen. The thermometer will automatically turn off after approximately 30 minutes of inactivity.

6. MAINTENANCE

6.1. Cleaning

The OMRON MC-171W is waterproof and can be cleaned by rinsing it under water. For disinfection, wipe the measurement tip with an alcohol swab or a cloth dampened with disinfectant. Do not immerse the entire thermometer in water for extended periods or use harsh chemical cleaners.

6.2. Storage

Store the thermometer in its protective case when not in use. Keep it in a cool, dry place, away from direct sunlight, high temperatures, and humidity. Avoid dropping or subjecting the device to strong impacts.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Thermometer does not turn on.	Battery is dead or incorrectly inserted.	Replace the battery (LR41) or reinsert it correctly.
Inaccurate readings.	Improper placement or insufficient measurement time.	Ensure correct placement in the armpit or oral cavity and allow sufficient measurement time (10 min for armpit, 5 min for oral).
Display shows 'Err'.	Measurement error or device malfunction.	Turn off the thermometer, wait a few minutes, and try again. If the error persists, contact customer support.

8. SPECIFICATIONS

Feature	Detail
Model Number	MC-171W
Medical Device Certification Number	219AGBZX00040000
Measurement Method	Actual Measurement

Feature	Detail
Measurement Accuracy	±0.1°C (when measured in water bath at 23°C)
Measurement Range	32.0 to 42.0°C
Measurement Time	Approx. 10 minutes (armpit), Approx. 5 minutes (oral)
Operating Environment	Ambient temperature +10 to +40°C, Relative humidity 30 to 85% RH
Water Resistance	Conforms to JIS T1140 specified drip-proof type
Power Source	1 x LR41 Alkaline manganese button battery
Battery Life	Approx. 1100 measurements (when used for 10 minutes each)
Product Dimensions (W x L x T)	19.6 mm x 129.7 mm x 13.2 mm
Weight	Approx. 13g (excluding battery)
Color	White
Features	Auto-off, Buzzer notification, Previous reading memory, Battery replaceable
Country of Origin	China

9. WARRANTY AND SUPPORT

OMRON Healthcare products are manufactured to high-quality standards. For warranty information, please refer to the specific warranty card included with your product. Please note that product warranty is generally limited to use within Japan.

9.1. Customer Support

For product inquiries, separate purchases, consumables, or repair requests, please contact Omron Healthcare Customer Support:

Website: <https://www.healthcare.omron.co.jp/support/>

Omron Service Center:

Telephone (Toll-Free): 0120-30-6606

FAX (Toll-Free): 0120-10-1625

Operating Hours: Monday - Friday, 9:00 - 19:00 (excluding holidays)

Please note that operating hours may change without prior notice.

