

OMRON®

INSTRUCTION MANUAL

3-WAY INSTANT THERMOMETER

Model **MC-600**

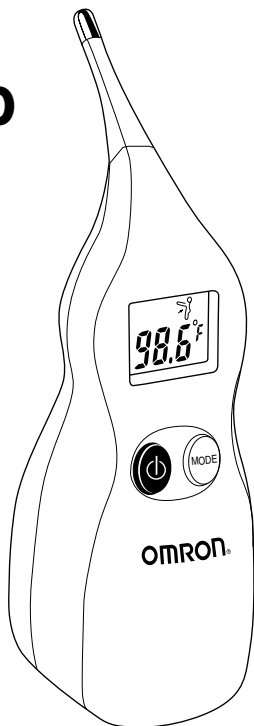


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CAUTIONS

1. THIS IS NOT AN EAR THERMOMETER Temperature may only be taken by 3 methods: oral, underarm, and rectal.
2. For hygienic purposes, Omron recommends applying a probe cover during each use. (Probe covers sold separately)
3. Use ONLY OMRON probe cover (model 600PROBECAN) at any of the three stated measurement sites.
4. Do not use this thermometer near combustible agents.
5. Never use an abrasive cleanser.
6. THE THERMOMETER IS NOT WATER RESISTANT!
7. Store in a cool, dry place at room temperature that is not in direct sunlight.
8. When storing use the Protective Display Cover to reduce the chance of scratching the display screen and protect the sensor tip from damage.

INTRODUCTION

Thank you for purchasing the 3-Way Instant Thermometer. The 3-Way Instant Thermometer is based on the new patented R.A.T.E.[™] (Rapid, Active, Temperature, Establishment) technology. R.A.T.E.[™] technology enables accurate temperature measurement in 4-6 seconds typically in the oral, rectal, or under arm modes when ambient temperature is between 50°F and 93.2°F (10°C and 34°C).

How does it work?

R.A.T.E.[™] measures heat flow from blood vessels to the skin, converting it instantly to a readable body temperature. It is clinically proven accurate. The 3-Way Instant Thermometer can easily and safely be used by all ages. There is no fear of broken glass or mercury poisoning that can occur with glass thermometers.

Temperature 3-Ways?

The three traditional ways to take a temperature; oral, underarm and rectal are now easier, safer, and faster by using the 3-Way Instant Thermometer. In comparison, glass thermometers can take as long as 3 minutes to achieve a reading and can break which could cause mercury poisoning. Digital thermometers can range from 1 to 2 minutes. Too long to wait when a child is screaming. You want to take a quick temperature...with the speed nearly as quick as an ear thermometer and with the accuracy of the glass thermometer. That is the Omron 3-Way Instant Thermometer.

INTRODUCTION

The 3-Way Instant Thermometer is hospital tested and meets the American Society for Testing and Materials (ASTM) accuracy requirement specified in ASTM standard E1112 when used under normal operating conditions.

Please read this instruction manual completely before using your 3-Way Instant Thermometer. If you have questions about the meaning of a specific temperature, please talk with your physician.

COMPONENTS

The 3-Way Instant Thermometer includes the following components:

3-Way Instant Thermometer Model MC-600

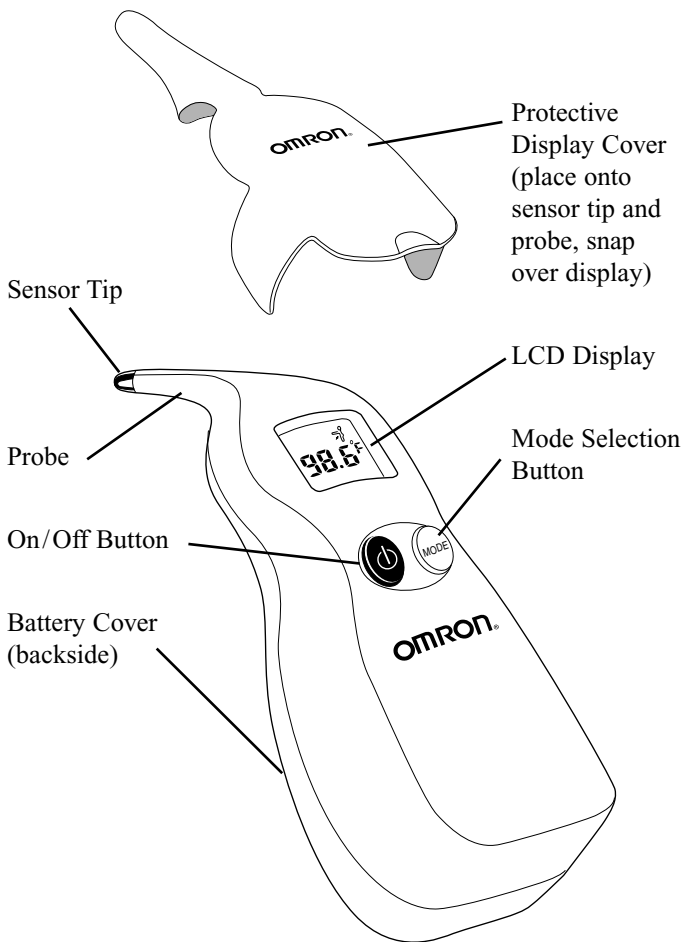
Protective Display Cover

9-Volt Alkaline Battery

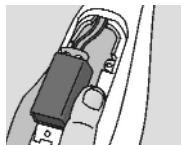
Instruction Manual

Warranty Card

KNOW YOUR THERMOMETER



BATTERY INSTALLATION/ REPLACEMENT



The thermometer uses one 9-volt alkaline battery.

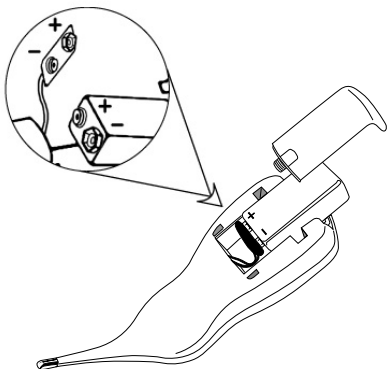
To install or replace the battery:

1. Remove the battery cover by sliding it off the back of thermometer.
2. Disconnect the old battery by holding the connector in one hand and the battery in the other hand and gently pull the connector off the battery.

Note: Do not pull the battery to disconnect.

It will damage the thermometer.

3. Firmly attach the new or replacement battery to the connector.
4. Carefully connect battery to the “positive” connector first; then to the “negative” connector.
5. Slide the battery cover back into place.



HOW TO TAKE A MEASUREMENT

General Instructions

- A. Remain still and quiet during measurement.
- B. Accuracy of reading depends on the proper placement of the thermometer.
- C. Apply a new probe cover before each use.
- D. Thermometer is to be turned off before attempting to repeat process. There should be one minute intervals between taking temperature.
- E. The thermometer will automatically shut off in one minute after use.

Operation Instructions

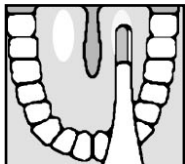
1. Place the probe cover on the probe so that it fits snug from the probe tip to the top of the display.

Note: Improper application of probe cover may cause inaccurate reading.

2. Press the ON/Off button until you hear one beep. All symbols and number segments will be displayed.
3. The result of previous reading will be displayed for 2 seconds. The “hourglass” symbol indicates that the thermometer is preparing for use.
4. Do not attempt to take temperature until the “hourglass” symbol disappears in 5-10 seconds and two beeps are heard. This indicates that the thermometer is ready for use.
5. To change the selected measurement method, simply push the mode selecting button. The measurement method will be indicated on the display by an arrow pointing at the chosen measurement method.

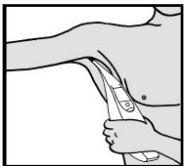
HOW TO TAKE A MEASUREMENT

Oral Method:

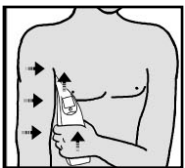


- A. Place the probe under the tongue next to the lower molar teeth.
- B. Gently press the probe downward with the tongue and close mouth.

Axillary (underarm) Method:



- A. Make sure the armpit had been closed.
- B. Place probe in a clean dry armpit area with clothing removed in the arm and chest area where the thermometer will function.



- C. Place probe into armpit area pointing upward direction assuring it is completely surrounded by skin.
- D. Gently press the probe in a upward motion.
- E. Gently hold arm close to body to assure proper placement and accurate function.

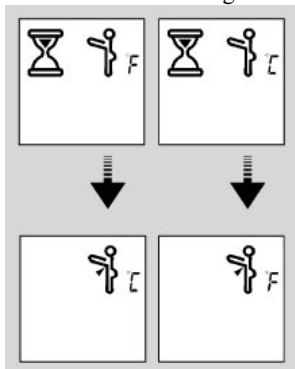
Rectal Method:

- A. It is recommended to use a probe cover lubricated with water soluble jelly.
- B. Gently slide the sensor tip of the thermometer no more than 1/2" (1.2 cm) into the rectum. **DO NOT USE IF ANY RESISTANCE IS NOTED.** Remove and repeat this step or take a measurement at an alternate site.
6. A running circle will appear indicating that measurement is in progress.
7. Temperature will be displayed after a long beep is heard.
8. Press the ON/OFF button to turn the thermometer off.

HOW TO TAKE MEASUREMENT

Changing Scale Between (C°) and (F°).

The Thermometer can display temperature in either Centigrade or Fahrenheit. To change the scale, follow the instructions below:



1. Start with the thermometer turned off.
2. Simultaneously, press and hold the mode and the on/off buttons until a “Beep” is heard. Release buttons after the beep. The display will first show the previously used scale and then the new one.
3. When the “hourglass” symbol disappears, the thermometer is ready to measure by the selected measurement scale.

NOTE: If thermometer is turned off before a measurement is taken after the scale change, the scale will revert to the one last used.

Operation in a Warm Environment

In a warm environment (ambient temperature over 34°C / 93.2°F), the thermometer may measure in a different operation mode (monitoring mode). In that case, please follow the instruction below.

1. Following the thermometer premeasurement preparation if you see a temperature value on the display, instead of a running circle, the thermometer is operating in the monitoring mode.
2. The “body site” icon and the “C° or F°” indicator will begin to blink and a short beep will be heard every 10 seconds to indicate that the measurement is in progress.
3. When a long beep is heard, the process is complete and the temperature will be displayed in “C” or “F”.

NOTE: A measurement by the monitoring mode typically takes 2 minutes.

DISPLAY MESSAGES

The thermometer has been designed to display feedback messages to ensure proper usage and accurate measurement. In the event of a malfunction or incorrect measurement, the following messages will be displayed:

Displayed



Cause

The measured temperature is below 95°F (35°C) or above 107.6°F (42°C).

Instructions

1. Check correlation between the selected mode icon and the actual measurement location used.
2. Turn the unit OFF and then ON again.
3. Retake temperature using the proper technique for oral, axillary, and rectal method.
4. Any of the methods may be used for accuracy depending on individual circumstances.



Displayed



Cause 1

The thermometer is too cold or too hot to operate. Operating temperature range is 50-104°F (10-40°C)

Cause 2

The thermometer was placed in the measurement method before the “hourglass” symbol disappeared and before two “Beeps” were heard.

Instructions

1. Bring the thermometer to a room where the temperature is between 50°F and 104°F (10°C and 40°C). Thermometer should be allowed to stabilize at room temperature for at least 45 minutes.
2. Wait at least one minute and then turn the thermometer ON again.
3. Wait for the “hourglass” symbol to disappear and two “beeps” to be heard.
4. Retake temperature using the proper technique. (as described on page 9)

DISPLAY MESSAGES



Er.2

Cause 1

The probe was inappropriately placed as indicated by measurement method, example: oral, axillary, and rectally.

Cause 2

Temperature did not register because of poor contact or placement.

Instructions

1. Check correlation between selected mode icon and actual measurement location used.
2. Turn the unit OFF, wait one minute, Turn the unit on and retake the temperature using the proper technique. (see page 9).



Er.3

Cause

Unit malfunction.

Instructions

Stop using the thermometer – contact Omron Customer Service 1-800-634-4350



Er.4

Cause

Temperature was not taken within 1 minute after the thermometer reached the ready state.

Instructions

Turn the unit OFF. Turn it ON again after one minute to retake the temperature (as described on page 9).



Cause

Low battery.

Instructions

The battery has enough remaining life for approximately 10 more measurements.



Cause

The battery is very low

Instructions

No measurement can be taken.

Replace the battery with a new one.

CARE AND CLEANING

- Keep the Thermometer Clean and Protected
- Use a soft, dry cloth to clean the body of the thermometer.
- Never clean the thermometer with an abrasive cleanser, thinner, benzene or submerge the thermometer in water or other liquids.
- Do not expose the thermometer to extreme temperature, humidity, direct sunlight or shock. Store in a clean, dry place at room temperature.
 - **NOTE:** Do not submerge the thermometer in water or in other liquids...the thermometer is NOT water resistant.
- Omron recommends the use of probe covers for hygienic control.
- Use the Protective Display Cover when storing your thermometer to help protect the sensor tip and display window from damage.
- If the probe and sensor tip needs to be cleaned, clean with an alcohol swab or cotton swab moistened with 70% isopropyl alcohol.

PRODUCT SPECIFICATIONS

Product Name	3-Way Instant Thermometer
Model Number	MC-600
Measurement range	95° to 107.6°F (35° to 42°C)
Temperature scales	°F or °C (user selectable)
Display resolution	0.1°F or 0.1°C
Accuracy	Compliant with ASTM E1112 standard. Fahrenheit Scale: Less than 96.4°F ±0.5°F 96.4°F to less than 98.0°F ±0.3°F 98.0°F to 102.0°F ±0.2°F Greater than 102.0°F to 106.0°F ±0.3°F Greater than 106.0°F ±0.5°F Centigrade Scale: Less than 35.8°C ±0.3°C 35.8°C to less than 37.0°C ±0.2°C 37.0°C to 39.0°C ±0.1°C Greater than 39.0°C to 41.0 °C ±0.2°C Greater than 41.0°C ±0.3°C
Display Modes	Oral, Axillary (under arm), and Rectal
Measurement time	4-6 seconds typical when ambient temperature is between 50° and 93.2°F (10° and 34°C) and 120 seconds typical when ambient temperature is greater than 93°F (34°C).
Auto Shut Off time After	1 Minute after last operation
Memory recall	One previous temperature
Operating temperature/ humidity	50° to 104°F (10 to 40°C), 95% RH (max, non condensing)
Storage temperature/ humidity	-4° to 122°F (-20 to 50°C), 15-95% RH (max, non condensing)
Materials	ABS (case and probe), stainless steel (probe tip), silicone rubber (switch pads)
Power source	One 9-volt battery (alkaline recommended)
Battery life	Approximately 1,000 measurements (with alkaline)
Dimensions	5 3/4" x 2 " x 2 1/4" (14.6cm x 5.0cm x 5.7cm)
Weight:	2.2 oz (68g) (without battery)
Contents	MC-600 3-Way Thermometer, Protective Display Cover, 9-Volt Alkaline Battery, Instruction Manual, and Warranty Card
Probe Cover	Use only Omron Model 600RPROBECAN (Sold Separately)

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

LIMITED ONE YEAR WARRANTY

Your MC-600 3-Way Instant Thermometer is warranted to be free from manufacturing defects for a period of one year under normal use. This warranty extends only to the original retail purchaser.

Should repair be needed within the warranty period, ship the unit prepaid to; Omron Healthcare Inc., 300 Lakeview Parkway Vernon Hills, Illinois 60061, Attn: Service Dept. together with \$5.00 for return shipping and insurance. Be sure to include the model number of your unit and your phone number on any correspondence.

We will either repair or replace (at our option) free of charge any parts necessary to correct defects in the materials or workmanship.

The above warranty is complete and exclusive. The warrantor expressly disclaims liability for incidental, special, or consequential damages of any nature. (Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above warranty may not apply to you.)

Any implied warranties arising by the operation of law shall be limited in duration to the term of this warranty. (Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.)

This warranty gives you specific legal rights and you may have other rights which vary from state to state.

FOR CUSTOMER SERVICE CALL TOLL FREE:

1-800-634-4350

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