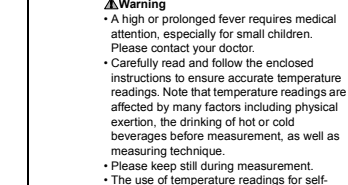
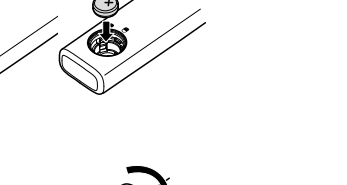
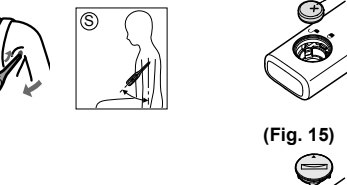
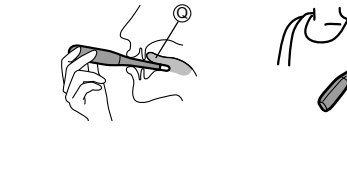
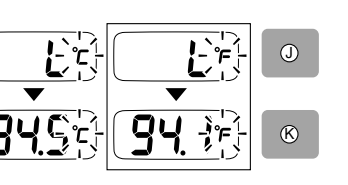
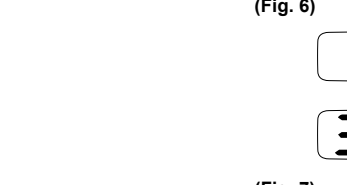
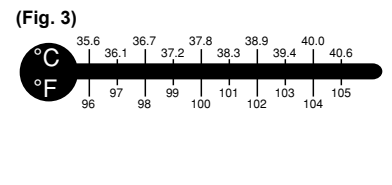
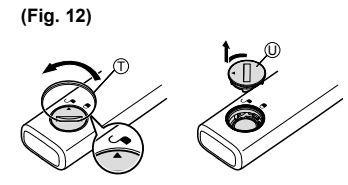
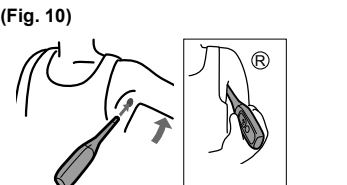
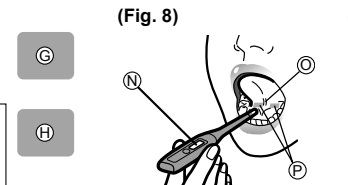
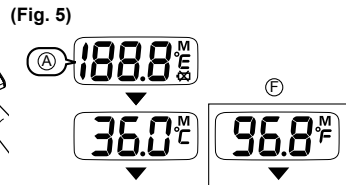
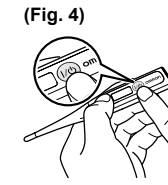
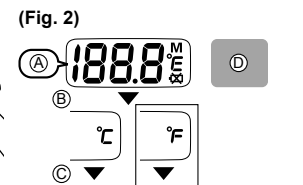
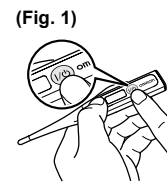


Digital thermometer Model Eco Temp Smart

- Digitaltas Fieberthermometer
- Thermomètre digital
- Termometro digitale
- Termómetro digital
- Digitalt termometer
- Digitaalinen kuumemittari
- Digitalt termometer
- Digitale koortsthermometer
- Ψηφιακό θερμομέτρο
- Digitalt klinik termometresi
- Цифровой термометр



• الترمومتر الرقمي



English	Deutsch	Français	Italiano	Español	Português	Dansk	Suomi	Norsk	Svenska	Nederlands	Ελληνικά	Türkçe	Русский	العربية
A. Beep B. After 5 seconds C. Nach 2 seconds D. All of the display symbols appear. E. The thermometer will automatically switch itself off. F. G. All of the display symbols appear. H. The most recently measured temperature is displayed together with the M indicator. I. 37.0 °C (98.6 °F) test display. J. When the [C]/[F] indicator blinks, the thermometer is ready for use. K. Temperature measurement will commence and the [C]/[F] indicator symbol will blink. L. Beep-beep-beep when the reading is ready. M. The [C]/[F] indicator symbol will stop blinking and stay on when the reading is ready. N. The display section is ready. O. Root of the tongue P. Placement Points Q. Tongue R. Turn the display so that it faces inwards. S. The angle should be 35-45 degrees in relation to the arm. T. Coin U. Battery Cover V. Battery W. "+" mark faces upwards	A. Piepton B. Nach 5 Sekunden C. Nach 2 Sekunden D. Alle Symbole der Anzeige leuchten auf. E. Das Fieberthermometer schaltet sich automatisch selbst aus. F. G. Alle Symbole der Anzeige leuchten auf. H. Die zuletzt gemessene Temperatur wird zusammen mit dem M-Symbol angezeigt. I. Testanzeige 37,0 °C (98,6 °F) J. Wenn das [C]/[F]-Symbol blinkt, ist das Fieberthermometer einsatzbereit. K. Die Temperaturmessung beginnt und das [C]/[F]-Symbol blinkt. L. Das [C]/[F]-Symbol hört auf zu blinken und bleibt stehen. M. Die Messung abgeschlossen ist. Der Anzeigebereich zeigt nach oben. N. Zungenwurzel O. Messpunkte P. Zunge Q. Rachen R. Drehen Sie die Anzeige so, dass diese nach innen zeigt. S. Der Winkel in Bezug auf den Arm sollte 35 bis 45 betragen. T. Münze U. Batteriedeckung V. Batterie W. Die Markierung "+" zeigt nach oben	A. B. Après 5 secondes C. Après 2 secondes D. Tous les symboles de l'affichage apparaissent. E. Le thermomètre s'éteint automatiquement. F. G. Tous les symboles de l'affichage apparaissent. H. La dernière température mesurée est affichée avec l'indicateur M. I. Teste Anzeige. J. Lorsque le symbole [C]/[F] clignote, le thermomètre est prêt pour l'emploi. K. La mesure de la température commence et le symbole [C]/[F] clignote. L. Le bip-bip-bip commence et s'arrête. M. Le symbole [C]/[F] cesse de clignoter et reste allumé en continu lorsque la mesure est terminée. N. La section d'affichage est tournée vers le haut. O. Racine de la langue P. Points de placement Q. Langue R. Tourner l'affichage afin qu'il soit tourné vers l'intérieur. S. Le thermomètre doit être placé à un angle de 35 à 45 degrés par rapport au bras. T. Pièce de monnaie U. Couverture du compartiment de la pile V. Batterie W. Le signe « + » est tourné vers le haut	A. Segnale acustico B. Dopo 5 secondi C. Dopo 2 secondi D. Tutti gli indicatori appaiono sul display. E. Il termometro si spegne automaticamente. F. G. Tutti gli indicatori appaiono sul display. H. L'ultimo valore della temperatura rilevata viene visualizzato juntamente all'indicatore M. I. Visualizzazione de teste 37,0 °C (98,6 °F) J. Quando l'indicatore [C]/[F] lampeggia, il termometro è pronto per l'uso. K. La misurazione della temperatura ha inizio e l'indicatore [C]/[F] lampeggia. L. Il bip-bip-bip inizia e si ferma. M. Il simbolo [C]/[F] smette di lampeggiare e rimane fisso. N. L'angolo di inclinazione rispetto al braccio deve essere di 35-45 gradi. O. Base de la lengua P. Lugares de colocación Q. Lengua R. Girar la pantalla para que mire hacia adentro. S. El ángulo debería ser de entre 35-45 grados respecto al brazo. T. Moneda U. Tapa de las pilas V. Pila W. La marca "+" mira hacia arriba	A. Pitido B. Después de 5 segundos C. Después de 2 segundos D. Todos los símbolos aparecen en pantalla. E. El termómetro se apagará automáticamente. F. G. Todos los símbolos de la pantalla aparecen. H. El último valor de la temperatura medida más reciente se muestra conjuntamente con el M. I. Visualización de teste 37,0 °C (98,6 °F) J. Cuando el indicador [C]/[F] parpadea, el termómetro está listo para ser utilizado. K. La medición de temperatura comienza y el símbolo [C]/[F] parpadea. L. El bip-bip-bip comienza y se detiene. M. El símbolo indicador [C]/[F] deja de parpadear y permanece encendido. N. El ángulo de inclinación respecto al brazo debe ser de 35-45 grados. O. Base de la lengua P. Lugares de colocación Q. Lengua R. Girar la pantalla para que mire hacia adentro. S. El ángulo debería ser de entre 35-45 grados respecto al brazo. T. Moneda U. Tapa de las pilas V. Pila W. La marca "+" mira hacia arriba	A. Bíp B. Após 5 segundos C. Após 2 segundos D. Todos os símbolos aparecem na tela. E. O termómetro irá desligar-se automaticamente. F. G. Todos os símbolos do visor aparecem. H. O último valor da temperatura medida mais recente é apresentada juntamente com o M. I. Teste de 37,0 °C (98,6 °F) J. Quando o símbolo [C]/[F] pisca, o termómetro está pronto a ser utilizado. K. A medição da temperatura começa e o símbolo [C]/[F] pisca. L. O bip-bip-bip começa e pára. M. O símbolo indicador [C]/[F] deixa de piscar e fica aceso quando a leitura está concluída. N. O ângulo de inclinação para cima deve estar virado para cima. O. Vértice da língua P. Pontos de colocação Q. Língua R. Vire o visor para que fique virado para dentro. S. O ângulo deverá situar-se entre 35 e 45 graus relativamente ao braço. T. Moeda U. Tampa da pilha V. Pilha W. "++" marca "+" está virada para cima	A. Bíp B. Efter 5 sekunder C. Efter 2 sekunder D. Alle symbols i displayet vises. E. Termometeret slukker sig selv automatisk. F. G. Alle symbolene i displayet vises. H. Den senest målte temperatur vises sammen med indikator M. I. Testdisplay: 37,0 °C (98,6 °F) J. Når symbolet [C]/[F] blinker, er termometeret klart til brug. K. Temperaturmålingen begynder, og symbolsymbolet [C]/[F] blinker. L. Bip-bip-pip slutter i blink og bliver fast. M. [C]/[F]-indikatorsymbolet holder op med at blinke og vises vedvarende. N. Nivået stanses på 37,0 °C (98,6 °F) O. Kælen P. Asetuskohdat Q. Kæli R. Nivået stanses på 37,0 °C (98,6 °F) S. Vinkelen skal være 35-45 grader i forhold til armen. T. Mynt U. Batterideksel V. Batteri W. "++"-mærket i venstre øverste hjørne	A. Äänimerkki B. 5 sekunnin kuluttua C. 2 sekunnin kuluttua D. Kaikki näytön symbolit tulevat näkyviin. E. Kuumemittari kytketty automaattisesti pois päältä. F. G. Kaikki näytön symbolit tulevat näkyviin. H. Viimeksi mitattu lämpötila ja M-merkki näkyvät yhdessä. I. 37,0 °C:n (98,6 °F) testi näyttö. J. Kun [C]/[F]-merkki vilkkuu, kuumemittari on valmiina käyttöön. K. Lämpötilan mittaus alkaa ja [C]/[F]-merkki vilkkuu. L. Kolme äänimerkkiä kuuluu. M. [C]/[F]-merkki lakkaa vilkkumasta ja jää näkyviin, kun lukema on valmis. N. Näyttö stans on ylös. O. Kælen juuri P. Asetuskohdat Q. Kæli R. Näyttö stans on ylös. S. Vinkelen pitäisi olla 35-45 astetta kânsi-vahtia suhteessa käsivarren suhteen. T. Mynti U. Paristokohron kansi V. Paristo W. "++"-merkki on ylös-päin	A. Pipelyd B. Etter 5 sekunder C. Etter 2 sekunder D. Alle symboler i displayet vises. E. Fiebertermometeret slukker seg selv automatisk. F. G. Alle symbolene i displayet vises. H. Den senest målte temperatur vises sammen med indikator M. I. Testdisplay: 37,0 °C (98,6 °F) J. Når symbolet [C]/[F] blinker, er termometeret klart til bruk. K. Målingen av temperaturen starter, og symbolsymbolet [C]/[F] blinker. L. Bip-bip-pip slutter i blinke og blir fast. M. [C]/[F]-indikatorters symbol blinker og lyser jevnt. N. Siden med displayet er vendt opp. O. Tungen P. Plasseringspunkt Q. Tunge R. Vrid displayet så det blir borten gerichtet. S. Vinkelen skal være 35-45 grader i forhold til armen. T. Mynt U. Batterideksel V. Batteri W. "++"-merket är uppsett	A. Pipelyd B. Etter 5 sekunder C. Etter 2 sekunder D. Alle symboler i displayet vises. E. Fiebertermometeret slukker seg selv automatisk. F. G. Alle symbolene i displayet vises. H. Den senest målte temperatur vises sammen med indikator M. I. Testdisplay: 37,0 °C (98,6 °F) J. Når symbolet [C]/[F] blinker, er termometeret klart til bruk. K. Målingen av temperaturen starter, og symbolsymbolet [C]/[F] blinker. L. Bip-bip-pip slutter i blinke og blir fast. M. [C]/[F]-indikatorters symbol blinker og lyser jevnt. N. Siden med displayet er vendt opp. O. Tungen P. Plasseringspunkt Q. Tunge R. Vrid displayet så det blir borten gerichtet. S. Vinkelen skal være 35-45 grader i forhold til armen. T. Mynt U. Batterideksel V. Batteri W. "++"-merket är uppsett	A. Pipelyd B. Etter 5 sekunder C. Etter 2 sekunder D. Alle symboler i displayet vises. E. Fiebertermometeret slukker seg selv automatisk. F. G. Alle symbolene i displayet vises. H. Den senest målte temperatur vises sammen med indikator M. I. Testdisplay: 37,0 °C (98,6 °F) J. Når symbolet [C]/[F] blinker, er termometeret klart til bruk. K. Målingen av temperaturen starter, og symbolsymbolet [C]/[F] blinker. L. Bip-bip-pip slutter i blinke og blir fast. M. [C]/[F]-indikatorters symbol blinker og lyser jevnt. N. Siden med displayet er vendt opp. O. Tungen P. Plasseringspunkt Q. Tunge R. Vrid displayet så det blir borten gerichtet. S. Vinkelen skal være 35-45 grader i forhold til armen. T. Mynt U. Batterideksel V. Batteri W. "++"-merket är uppsett	A. Pipelyd B. Etter 5 sekunder C. Etter 2 sekunder D. Alle symboler i displayet vises. E. Fiebertermometeret slukker seg selv automatisk. F. G. Alle symbolene i displayet vises. H. Den senest målte temperatur vises sammen med indikator M. I. Testdisplay: 37,0 °C (98,6 °F) J. Når symbolet [C]/[F] blinker, er termometeret klart til bruk. K. Målingen av temperaturen starter, og symbolsymbolet [C]/[F] blinker. L. Bip-bip-pip slutter i blinke og blir fast. M. [C]/[F]-indikatorters symbol blinker og lyser jevnt. N. Siden med displayet er vendt opp. O. Tungen P. Plasseringspunkt Q. Tunge R. Vrid displayet så det blir borten gerichtet. S. Vinkelen skal være 35-45 grader i forhold til armen. T. Mynt U. Batterideksel V. Batteri W. "++"-merket är uppsett	A. Pipelyd B. Etter 5 sekunder C. Etter 2 sekunder D. Alle symboler i displayet vises. E. Fiebertermometeret slukker seg selv automatisk. F. G. Alle symbolene i displayet vises. H. Den senest målte temperatur vises sammen med indikator M. I. Testdisplay: 37,0 °C (98,6 °F) J. Når symbolet [C]/[F] blinker, er termometeret klart til bruk. K. Målingen av temperaturen starter, og symbolsymbolet [C]/[F] blinker. L. Bip-bip-pip slutter i blinke og blir fast. M. [C]/[F]-indikatorters symbol blinker og lyser jevnt. N. Siden med displayet er vendt opp. O. Tungen P. Plasseringspunkt Q. Tunge R. Vrid displayet så det blir borten gerichtet. S. Vinkelen skal være 35-45 grader i forhold til armen. T. Mynt U. Batterideksel V. Batteri W. "++"-merket är uppsett	A. Mmp B. Уптрá стó C. Через 5 секунд D. Все символы в дисплее появляются. E. Термометр автоматически выключится. F. G. Все символы в дисплее появляются. H. Последний измеренный температурный результат отображается вместе с индикатором М. I. Тестовый дисплей: 37,0 °C (98,6 °F) J. Когда индикатор [C]/[F] мигает, термометр готов к использованию. K. Начало измерения температуры. L. Когда индикатор [C]/[F] мигает, термометр готов к использованию. M. [C]/[F] индикатор перестает мигать и горит постоянно. N. Угол наклона прибора к руке должен составлять 35-45 градусов. O. Корень языка P. Точки измерения Q. Язык R. Поверните прибор так, чтобы он был направлен внутрь. S. Угол наклона прибора к руке должен составлять 35-45 градусов. T. Монета U. Крышка батареек V. Батарейка W. Знак «+» должен быть обращен вверх	A. Zwookoch sanan B. بعد 5 ثوان C. بعد 2 ثوان D. جميع رموز الشاشة تظهر E. سوف يتوقف قياس درجة الحرارة بشكل تلقائي. F. G. جميع رموز الشاشة تظهر. H. القيمة الأخيرة لدرجة الحرارة تظهر مع مؤشر M. I. شاشة اختبار 37,0 °C (98,6 °F) J. عندما يومض مؤشر [C]/[F]، يصبح الجهاز جاهز للاستخدام. K. سيبدأ قياس درجة الحرارة. L. عندما يومض مؤشر [C]/[F]، يصبح الجهاز جاهز للاستخدام. M. [C]/[F] مؤشر يتوقف عن الميماع و يبقى ثابتاً. N. يجب أن يتم وضع الجهاز بزاوية مقدارها 35-45 درجة في اتجاه اليد. O. جذر اللسان P. نقاط القياس Q. اللسان R. اقلع الجهاز بحيث تكون الزاوية بينه وبين الذراع 35-45 درجة. S. يجب أن يتم وضع الجهاز بزاوية مقدارها 35-45 درجة في اتجاه اليد. T. قطعة النقود U. غطاء البطارية V. بطارية W. علامة «+» يجب أن تكون موجهة للأعلى

Digital Thermometer English

- A. Sensor Tip
- B. Display Window
- C. I/O Button
- D. Storage Case

Thank you for purchasing the OMRON Digital Thermometer Eco Temp Smart. The thermometer you purchased offers a safe, accurate and quick temperature reading. You can measure your temperature either in the anus (rectally), in the mouth (orally) or in the armpit (axillary). This thermometer eliminates any worries about broken glass or mercury hazards. Note that your temperature is affected by smoking, eating or drinking. Contact your doctor if you have any questions regarding specific temperatures.

Important Safety Notes

To assure the correct use of the product basic safety measures should always be followed including the precautions listed below.

Warning

- A high or prolonged fever requires medical attention, especially for small children. Please contact your doctor.
- Do not attempt to take temperatures at other sites, such as in the ear, as it may result in false readings and may lead to injury.
- Store the thermometer out of the reach of children. Do not allow children to take their temperatures unattended. Children may injure themselves when attempting to take temperatures without supervision.
- Do not leave the battery, battery cover or probe cover where children can get to them. Children may swallow them. Should a child swallow the battery, battery cover or probe cover, contact a doctor immediately.
- Do not attempt measurements when the thermometer is wet as inaccurate readings may result.

3. Displaying the last temperature

Press the I/O button to display the temperature that was measured most recently. For details, please refer to the "2. Use of the thermometer" section.

4. Correct measurement

Measurement accuracy cannot be assured when the method used to measure the temperature is incorrect.

Rectal use:
 • Commonly used for small children when it is difficult to take an oral or armpit temperature.
 • Lubricate with non-irritating skin-friendly gel.
 • Gently insert the probe tip no more than 1.3 cm into the rectum. Do not force the tip into the rectum if resistance is encountered.
 • Disinfect the thermometer after use.

Oral use (for ages 4 and older):
 The mouth should remain closed for 5 minutes before starting a reading.

• Place the thermometer in the mouth under the tongue so that it rests to the left or right of the root of the tongue.
 • Use downward tongue pressure to hold the thermometer in place.
 • Hold the thermometer to keep it from sliding around in the mouth. (Fig. 9)

Armpit (axillary) use:
 • Place the sensor tip in the centre of the armpit. (Fig. 10)
 • Lock the sensor tip under the arm, using the arm to slightly apply pressure inwards.

The following may result in incorrect measurement:
 • Taking the temperature immediately after exercising, bathing, eating or drinking will result in an incorrect measurement.
 • Do not use the thermometer in places where strong static electricity or electromagnetic fields are present. Doing so may lead to inaccurate readings and may contribute to instrument failure.
 • Do not attempt rectal measurements on persons with rectal disorders. Doing so may aggravate or worsen the disorder.
 • Do not step on the unit or the hard case.

General safety precautions
 • Do not use the thermometer to measure anything other than human body temperatures.
 • Do not drop the thermometer and storage case or expose them to shock or vibration.

1. Switching between Fahrenheit/Centigrade (Celsius)
 Press the I/O button for 7 seconds until a beep is emitted. The display will change to the other measurement system at the time when the beep sounds. (Fig. 1, 2, 3)

2. Use of the thermometer
 1. Press the I/O button. (Fig. 4)
 The result of the previous measurement is displayed for a few seconds. Then 37.0°C (98.6°F) is displayed as an internal test-function. (Fig. 5)
Note: When a temperature other than 37.0°C (98.6°F) is displayed, please refer to the "6. Display Indications and Troubleshooting" section for details to correct the problem.

2. Apply the thermometer to the measurement site.
Note: Even if the "L" indicator fails to display (when only the temperature is displayed), this is not an error. The temperature may be taken as is. (Fig. 6)

3. Buzzer notification timing
Rectal: approx. 10 seconds
Oral: approx. 20 seconds
Armpit: approx. 25 seconds*
 * 25 seconds is the earliest estimated temperature indication. To complete the measurement, it is required to measure the temperature in the armpit between 2-5 minutes (depending on the ambient temperature and condition).

Notes:
 • The measurement continues even after the buzzer notification.
 • The buzzer notification timing is based on an environmental temperature of 23 degrees.
 • Since oral and armpit may give lower measurement results it is recommended to apply the device rectally to get the most accurate result.
 • Turn off the thermometer. Clean and disinfect before returning it to its protective case.
Notes:
 • The reading will automatically be stored in memory.
 • Turn off the thermometer manually to conserve the battery. It will automatically switch off 30 minutes after use or 3 minutes when turned on but not used.

5. Battery replacement
Battery: Alkaline-Manganese Button Battery LR41 (available commercially)
Battery Replacement Indicator ()
 Replace the battery when the battery replacement indicator appears when the thermometer is switched on.

1. Use a coin to take off the cover. (Fig. 12)
2. Remove the battery. (Fig. 13)
3. Insert the new battery with the "+" pole facing up as shown in the diagram. Make sure the battery is put in with the right polarity. (Fig. 14)
4. Use a coin to replace the battery cover. (Fig. 15)
Notes:
 • The thermometer comes fitted with a battery for testing purposes. This battery may not provide the same amount of battery life as a new battery.
 • Do not loose the O-ring around the screw. Water-resistant will fail and can lead to misreadings and failure of the unit.

6. Display Indications and Troubleshooting

Indicator	Cause	Remedy
L (low)	Displayed when the temperature of the sensing section is less than 32°C (89.6°F).	This is not an error so it may be ignored and the temperature taken.
H (high)	Displayed when the temperature of the sensing section is higher than 42°C (107.6°F).	Cool the sensing section and then take the temperature.
Air Temperature Displayed	Displayed when the surrounding temperature exceeds 32°C (89.6°F).	Turn the thermometer on and off several times. If a temperature other than that in the range from 36.9°C (98.4°F) to 37.1°C (98.8°F) is displayed as a test display, please contact your nearest authorized OMRON dealer.

7. Storage
Store the thermometer in its storage case.
 • Do not store the thermometer in the following types of places. Doing so may damage the thermometer:
 - Wet locations.
 - Locations with high heat and humidity or those that are exposed to direct sunlight. Areas close to heating equipment, dusty locations, or environments where there are high salt concentrations in the air.
 - Locations where the unit will be subjected to leaning, shock or vibration.
 - Pharmaceutical storage areas or locations where corrosive gases are present.

8. Cleaning and Disinfecting
 OMRON recommends to wipe the device with damp cloth. For disinfection, 70% Ethanol or Isopropyl alcohol can be used. Do not attempt to disinfect the sensing section of the thermometer by immersing in alcohol or in hot water (water over 50°C). Do not submerge deeper than 15 cm and longer than 30 minutes.

9. Specifications
Product Type and Number Digital Thermometer MC-341-E/MC-341-EB
Product Name Eco Temp Smart
Power Consumption: 0.1 mW
Battery Life: Approx. 2 years or more (3 times per day)
Sensing Unit: Thermistor
Measurement Method: Actual measurement (non-predictive)
Temperature Display: 3 digits (°C), or 4 digits (°F) display in 0.1 degree increments
Measurement Accuracy: ±0.1°C (32.0 to 42.0°C) ±0.2°F (89.6 to 107.6°F) (when measured at a standard room temperature of 23°C (73.4°F) in a test tank held at constant temperature) 32.0 to 42.0°C (89.6 to 107.6°F)

Usage Environment Temp and Humidity: Surrounding temperature +10 to +40°C (+50 to +104°F), Relative Humidity 30 ~ 85%RH
Storage Environment Temp and Humidity: Surrounding temperature -20 to +60°C (-4 to +140°F), Relative Humidity 10 ~ 95%RH
External Dimensions: Approx. 112 × 115 mm (with battery installed)
Package Content: Test Battery (Alkaline-Manganese Button Battery LR41), Storage Case, Instruction Sheet.

Measurement Range: 32.0 to 42.0°C (89.6 to 107.6°F)
Use Environment Temp and Humidity: Surrounding temperature +10 to +40°C (+50 to +104°F), Relative Humidity 30 ~ 85%RH
Storage Environment Temp and Humidity: Surrounding temperature -20 to +60°C (-4 to +140°F), Relative Humidity 10 ~ 95%RH
External Dimensions: 19.4 mm (w) × 132.5 mm (l) × 10.0 mm (d)
Package Content: Test Battery (Alkaline-Manganese Button Battery LR41), Storage Case, Instruction Sheet.

Applied part: Type B

Notes:
 • The specifications may be changed without prior notice.
 • This unit is water-resistant.
 • The top of the thermometer contains Nickel.
 • This thermometer does not contain any serviceable part. OMRON recommends that the accuracy is verified every two years by OMRON's representative.
 • This OMRON product is produced under the strict quality system of OMRON Healthcare Co. Ltd., Japan.

Warranty
 This product is guaranteed by OMRON for 3 years after date of purchase. Any damage caused by improper handling shall not be covered by warranty.
 Batteries and packaging are also excluded from the warranty. All other damage claims excluded. A warranty claim must be submitted with the purchase receipt.

Read the Instructions in this manual carefully.

CE 0197

This device fulfills the provisions of the EC directive 93/42/EEC (Medical Device Directive) and the European Standard EN12470:2000, Clinical thermometers - Part 3: Performance of compact electrical thermometers (non-predictive and predictive) with maximum device.