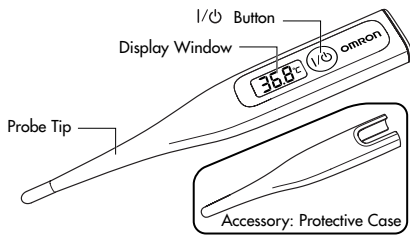


OMRON®

DIGITAL THERMOMETER

Model MC-246

9481319-5C



Thank you for purchasing Omron Digital Thermometer.

The thermometer you purchased offers a safe, accurate and quick temperature reading. You can measure your temperature through oral, rectal or underarm. This thermometer eliminates any worries about broken glass or mercury hazards. Note that your temperature is affected by smoking, eating or drinking. Thoroughly read this instruction manual before using your OMRON MC-246 Digital Thermometer. We recommend that you practice taking your temperature with the thermometer. In this way you will gain confidence in your technique when using the thermometer. 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 young children. Please contact your doctor.
- Carefully read and follow the enclosed instructions to ensure accurate temperature readings. Note that temperature readings are affected by many factors including physical exertion, the drinking of hot or cold beverages before measurement, as well as measuring technique.
- Please keep still during measurement.
- The use of temperature readings for self-diagnosis is dangerous. Consult with your doctor for the interpretation of results. Self-diagnosis may lead to the worsening of existing disease conditions.
- This thermometer is used for taking temperatures through oral, rectal or underarm. 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.

⚠ CAUTION

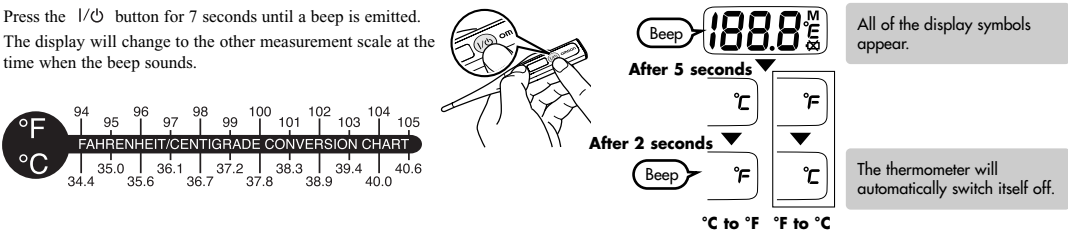
- Do not bite on the thermometer. Doing so may lead to breakage and/or injury.
- Do not share the thermometer among individuals.
- Do not attempt to disassemble or repair the thermometer. Doing so may result in inaccurate readings.
- Do not attempt to incinerate the battery. It may burst.
- Pay attention to polarity (+/-) when replacing the battery. Failure to do so may lead to fluid leakage, heat generation or bursting, resulting in damage to the unit.
- Remove the battery when the thermometer will not be used for 3 months or more. Failure to do so may lead to fluid leakage, heat generation or bursting, resulting in damage to the unit.
- Do not use mobile phones near the thermometer.
- 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 force the thermometer into the rectum. Stop insertion and abort the measurement when pain is present. Failure to do so may lead to injury.
- 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.
- Do not attempt to disinfect the sensing section of the thermometer by immersing in alcohol or in hot water (water over 50°C).
- Failure to use a probe cover may lead to bacteria and viral infection.

GENERAL SAFETY PRECAUTIONS

- Do not use the thermometer to measure anything other than human body temperatures.
- Do not drop the thermometer and protective case or expose them to shock or vibration.
- Do not store the thermometer in the protective case when it is damp. Wipe it off with a dry cloth first.
- Avoid taking the temperature until after 30 minutes has lapsed after exercise, bathing or eating/drinking.

■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 scale at the time when the beep sounds.



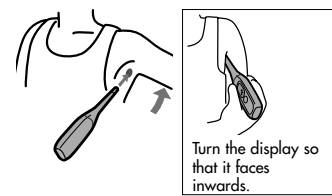
RECTAL USE:

Always use a probe cover when taking rectal measurements.

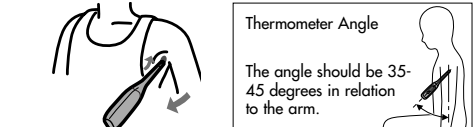
- Commonly used for young children when it is difficult to take an oral or underarm temperature.
- Lubricate with a water-soluble gel. Do not use petroleum jelly.
- Gently insert the probe tip no more than 1.3 cm into the rectum. Do not force the tip into the rectum if resistance is encountered.
- Disinfect the thermometer after use.

UNDERARM (AXILLARY) USE:

- Place the probe tip in the center of the armpit.



- Lock the probe tip under the arm, using the arm to slightly apply pressure inwards.



* In the case of infants and very young children, gently hold the arm to prevent movement.

INCORRECT MEASUREMENTS

- **Taking the temperature immediately after exercising, bathing, eating or drinking will result in an incorrect measurement.**
Correct: Wait at least 30 minutes before taking the temperature.

- **Taking the temperature after moving around.**
Correct: Take the temperature immediately after waking up or wait for at least 30 minutes after moving around.

* Moving around after awakening increases the body temperature.

- **Only applies when taking underarm temperatures -**
The following may result in incorrect measurements.
 - Heavy underarm perspiration
 - Taking the temperature after being under the blankets for a long time.**Correct:** Wipe off any underarm perspiration before taking the temperature.

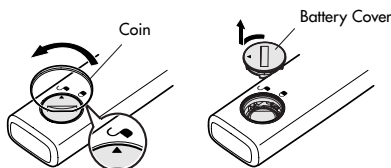
■BATTERY REPLACEMENT

Battery: Alkaline-Manganese Button Battery LR41 (available commercially)

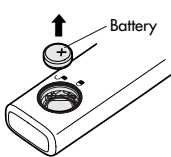
Battery Replacement Indicator ()

Replace the battery when the battery replacement indicator appears when the thermometer is switched on.

1. Use a coin to take off the battery cover.



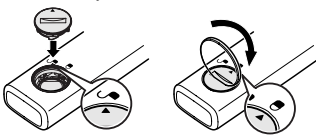
2. Remove the battery.



3. Insert the new battery with the "+" pole facing up as shown in the diagram.

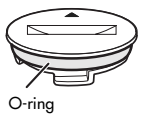


4. Use a coin to replace the battery cover.



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.
- Consult your local authorities and follow their instructions for the disposal of batteries and/or the thermometer.
- Do not loose the O-ring around the battery cover. Water-resistant will fail and can lead to misreading and failure of the unit.



■TAKING THE TEMPERATURE

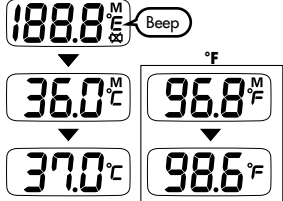
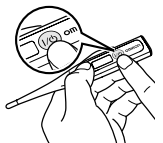
If possible, a full probe cover covering all sections should be used. Replace the probe cover with a new one after each use. Probe covers are included with the thermometer, place a probe cover carefully over the tip.

1. Press the I/O button.

A default temperature 37.0°C (98.6°F) is shown up on display.

NOTE:

When a temperature other than 37.0°C (98.6°F) is displayed, please refer to the "TROUBLESHOOTING" section for details to correct the problem.



All of the display symbols appear.

The most recently measured temperature is displayed together with the M indicator.

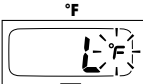
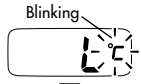
Waiting for use.

2. Apply the thermometer to the measurement site.

Use the oral, rectal or underarm site for measurement.

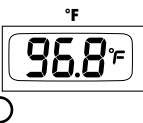
NOTE:

Even if the "L" indicator fails to display (when only the temperature is displayed), this is not an error. So the temperature may be taken as is.



When the [°C (°F)] indicator symbol blinks, the thermometer is ready for use.

Temperature measurement will commence and the [°C (°F)] indicator symbol will blink.



The [°C (°F)] indicator symbol will stop blinking and stay on when the reading is ready.

3. When the reading is ready, the thermometer will emit a [beep-beep-beep] sound three times. Remove the thermometer from the measurement site and read the result.

BUZZER NOTIFICATION TIMING

Oral : approx. 80 seconds

Rectal : approx. 60 seconds

Underarm : approx. 2 minutes

NOTES:

- The buzzer notification timing is based on an environmental temperature of 23 degrees without the probe cover.
- There will be individual differences in the measurement results.

4. Turn off the thermometer and store it in the protective case.

NOTES:

- The reading will automatically be stored in memory.
- Although the thermometer will automatically switch itself off 30 minutes after use or after 3 minutes when it has not been used; it should be turned off manually to conserve the battery.

■DISPLAYING THE LAST TEMPERATURE

Press the I/O button to display the temperature that was measured most recently.

For details, please refer to the "TAKING THE TEMPERATURE" section.

■CORRECT MEASUREMENT

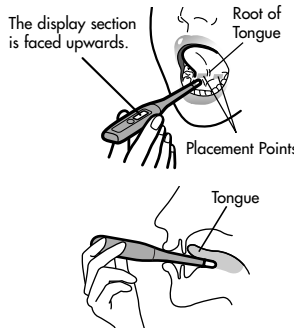
Measurement accuracy cannot be assured when the method used to measure the temperature is incorrect.

ORAL USE (for ages 4 and older):

The mouth should remain closed up to 5 minutes before attempting 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.



■ERROR DISPLAYS

INDICATOR	CAUSE	REMEDY
L	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	Displayed when the temperature of the sensing section is greater than 42°C (107.6°F).	Cool the sensing section and then take the temperature.
Temperature Displayed	Displayed when the surrounding temperature exceeds 32°C (89.6°F).	This is not an error, so the temperature may be taken as is.

■TROUBLESHOOTING

PROBLEM	CAUSE	CORRECTION
Wide differences in readings	• The temperature sensing part of the thermometer is being placed at a different location for each reading. • The thermometer is moved while the temperature is being taken. • The mouth is kept open while the measurement is in progress.	Check to see that the thermometer is being placed at the location as described in the "CORRECT MEASUREMENT" section.
Nothing appears in the display section when the power switch is pressed.	The polarity ⊕ ⊖ is reversed.	Take out the battery and replace using the correct polarity.
	The battery is depleted.	Check to see if ✖ appears in the display section. Replace with a new battery (LR41).
[37.0°C (98.6°F)] is not displayed during the measurement preparation period.	A temperature from [36.9°C (98.4°F)] to [37.1°C (98.8°F)] is displayed.	The thermometer may be used as it is.
	A temperature other than that in the range from [36.9°C (98.4°F)] to [37.1°C (98.8°F)] is displayed, even after turning the thermometer on and off several times.	Please contact your nearest authorized OMRON dealer.

■CARE AND MAINTENANCE

Keep the thermometer clean.

- Do not use strong jets of water to clean the thermometer or leave it immersed in water for long periods of time.
- Wipe the thermometer with a soft clean cloth.
- When using alcohol to clean the thermometer, make sure that it does not come into contact with the indicator section.
- For stubborn stains, wipe the thermometer with a cloth that has been dampened with water or a neutral detergent solution and then wring thoroughly. Finish by wiping with a soft dry cloth.
- Observe the following to prevent damage to the thermometer.
 - Do not use benzene, thinner, gasoline or other strong solvents to clean the thermometer.
 - Do not soak the sensing section in alcohol for long periods of time or attempt to sterilize it using hot water (water at a temperature of 50°C (122°F) or higher).
 - Do not use ultrasonic washing to clean the thermometer.

Store the thermometer in its protective 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.

■SPECIFICATIONS

Product Name:	DIGITAL THERMOMETER MC-246	Power Supply:	1.5V DC, 1 LR41 Alkaline-Manganese Button Battery
Power Consumption:	0.1mW	Battery Life:	Approx. 2 years or more (3 times per day)
Sensing Unit:	Thermistor	Measurement Method:	Actual measurement
Temperature Display:	3-digit, +°C (°F) display in 0.1 degree increments	Applied Part:	Type B
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)	Protection Against Electric Shock:	Internally powered ME equipment
Measurement Range:	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		
Weight:	Approx. 12g (with battery installed)		
External Dimensions:	19.4 mm (w) × 132.5 mm (l) × 10.0 mm (d)		
Accessories:	Test Battery (Alkaline-Manganese Button Battery LR41), Protective Case, Instruction Sheet, 5 Probe Covers.		

The specifications may be changed without prior notice.

This OMRON product is produced under the strict quality system of OMRON HEALTHCARE Co. Ltd., Japan.



Read the instruction 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 EN12470-3:2000, Clinical thermometers - Part 3: Performance of compact electrical thermometers (non-predictive and predictive) with maximum device.

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Production Facility	OMRON (DALIAN) CO., LTD. Economic & Technical Development Zone Dalian 116600, CHINA
Asia Pacific HQ	OMRON HEALTHCARE SINGAPORE PTE LTD. 438A Alexandra Road, #05-05/08, Alexandra Technopark Singapore 119967



数字体温计 型号 MC-246

感谢您选购 Omron 数字体温计。

您所选购的体温计能让您安全，准确且迅速地测量体温。可以透过口腔、肛门或腋下测量体温。此体温计可让您消除玻璃破裂或水银危害方面的顾虑。请注意：吸烟、进食或饮水会影响您的体温。在使用 OMRON MC-246 数字体温计之前，请仔细阅读此说明书。我们建议您使用体温计练习测量您的体温。这样，您将对您使用此体温计的技巧感到自信。如对特定温度感到有疑问，请联系您的医生。

■重要安全注意事项

为确保正确使用产品，请务必遵循基本安全措施，包括下列预防措施：

⚠ 警告

- 高烧或发烧不退需要治疗，特别是小孩。请联系医生。
- 为了确保读数准确，请认真阅读并遵守所附说明书。注意，体温读数受许多因素影响，包括身体机能的发挥、测量前饮用热饮或冷饮以及测量技巧。
- 在测量体温时，请保持不动。
- 根据温度读数进行自我诊断是危险的。向您的医生咨询对测量结果的解释。自我诊断可能导致现有的病情恶化。
- 此体温计可透过口腔、肛门或腋下测量体温。切勿尝试在其他部位测量体温，例如耳部，因为这样可能导致读数不准确，并有可能引起伤害。
- 把此体温计置于儿童触摸不到的地方。切勿让小孩独自测量体温。儿童在没有大人监督的情况下尝试进行体温测量时，可能引起自我伤害。
- 切勿将电池、电池盖或探头盖放在儿童可以够到的地方。儿童可能会吞食它们。如果儿童吞食电池、电池盖或探头盖，请立即联系医生。
- 体温计潮湿时，切勿尝试测量，因为这样可能导致读数不准确。

⚠ 注意

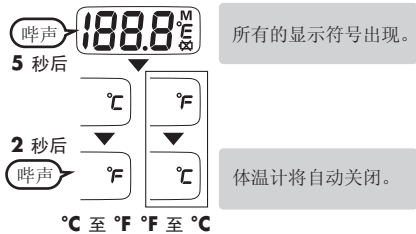
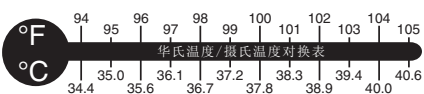
- 切勿咬住体温计。否则可能导致体温计破损和/或造成伤害。
- 切勿与他人共用体温计。
- 切勿尝试拆卸或修理体温计。否则可能导致读数不准确。
- 切勿尝试烧毁电池。它可能会爆炸。
- 更换电池时，请注意其极性 (+ -)。否则可能会引起电池液泄漏、电池发热或爆炸，从而导致对仪器的损害。
- 如果三个月或更长时间不使用体温计，请取出电池。否则可能引起电池液泄漏、电池发热或爆炸，从而导致对仪器的损害。
- 切勿在体温计附近使用移动电话。
- 切勿在有强烈静电或电磁场的地方使用体温计。否则可能导致读数不准确，并可能引起仪器故障。
- 切勿将体温计强行插入直肠。出现疼痛时应停止插入并中止测量。否则可能引起伤害。
- 直肠病患者请勿尝试直肠测量。否则可能会使病症加重或恶化。
- 切勿踩踏体温计或硬式储存盒。
- 切勿尝试将体温计感应部分浸入酒精或热水 (水温超过 50°C) 中消毒。
- 不使用探头盖可能导致细菌和病菌感染。

一般安全防范措施

- 切勿使用此体温计测量人体温度以外的温度。
- 切勿跌落体温计及其储存盒，或让它们暴露于地震或振动中。
- 体温计潮湿时，切勿将其放入储存盒中。首先用于布将其擦干。
- 运动、沐浴或进食/饮水后 30 分钟内不要测量体温。

■华氏温度/摄氏温度之间切换（摄氏度）

按住 I/O 按钮 7 秒，直到发出哔声。
发出哔声时，该显示将更改为其他测量刻度。



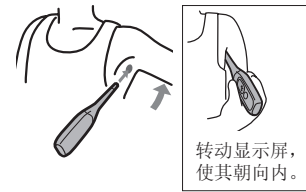
肛门使用：

透过肛门测量体温，随时使用探头盖。

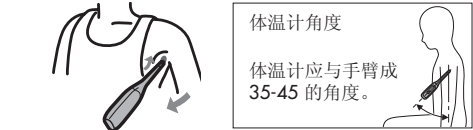
- 通常用于很难进行口腔或腋下体温测量的幼小儿童。
- 用水溶性润滑剂进行润滑。请勿使用石油膏。
- 探头尖端插入肛门的长度不超过 1.3 厘米。若遇有阻力，切勿强行插入探头尖端。
- 按所建议的方法消毒体温计。

腋下（腋窝）使用：

- 把体温计的探头尖端放在腋窝的中心。



- 把探头尖端固定在手臂下，用手臂轻轻向内施加压力。



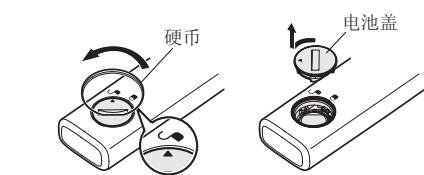
■电池更换

电池：碱锰钮扣电池 LR41 (商用)

电池更换指示灯 ()

打开体温计，电池更换指示灯出现时，请更换电池。

1. 利用硬币取出电池盖。



2. 取出电池。

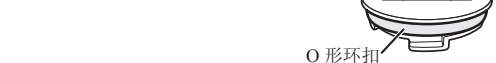


3. 插入新电池，[+] 正极朝上，如图所示。

4. 利用硬币放回电池盖。

注意：

- 体温计装有一测试用电池。此电池的寿命不可能与新电池相同。
- 咨询当地机构，遵照他们的指示处置电池和/或体温计。
- 切勿旋松电池盖周围的 O 形环扣。这样会导致防水功能失效，造成误读和体温计故障。



■测量体温

如有可能，应使用能覆盖所有部位的全包型探头盖。每次使用后，请更换新的探头盖。
体温计里面包含有探头盖，小心地把探头盖放在探头尖端上。

1. 按下 I/O 按钮。

显示屏上显示默认体温 37.0°C (98.6°F)。

注：

当所显示的温度不是 37.0°C (98.6°F) 时，请参考 [故障排除] 部分了解详情，以便解决问题。

2. 在测量部位运用体温计。

此体温计可使用口腔、肛门或腋下部位测量。

注：

当 [L] 指示灯未能显示 (仅显示温度时)。这不是错误，所以可忽视它而进行体温测量。

3. 当读数准备好，体温计将发出三次 [哔-哔-哔] 声。从测量部位上取下体温计，读取结果。

蜂鸣通知计时

口腔：约 80 秒

肛门：约 60 秒

腋下：约 2 分钟

注：

- 蜂鸣通知计时以 23 度环境温度为基础，不使用探头盖。
- 测量结果存在个人差异。

4. 关闭体温计，将其放回储存盒。

注：

- 读数将自动储存于记忆里。
- 虽然体温计将在使用后 30 分钟或未使用时 3 分钟后自动关闭，但是应手动关闭它以储存电量。

■显示最后一次温度

按下 I/O 按钮以显示最近一次测得的温度。
详情请参阅 [测量体温] 部分。

■正确的测量

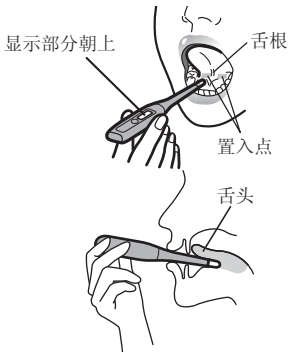
若所用的测量方法不正确，就不能保证测量的准确性。

口腔使用（适用于 4 岁以上人士）

在读取温度读数之前，保持 5 分钟不张口。

- 把体温计放在舌头下，以便使它靠住舌根的左边或右边。

- 舌头向下用力压紧体温计。
- 握住体温计，防止在嘴里滑动。



■错误显示

指示灯	原因	补救措施
L	在感应部分的温度低于 32°C (89.6°F) 时显示。	这不是错误，所以可忽视它而进行体温测量。
H	在感应部分的温度高于 42°C (107.6°F) 时显示。	冷却感应部分，再测量体温。
显示的温度	当周围温度超过 32°C (89.6°F) 时显示。	这不是错误，所以可照常进行体温测量。

■故障排除

问题	原因	纠正
读数差别很大	<ul style="list-style-type: none">每次测量时，体温计的温度感应部分被放在不同的位置。测量体温时，体温计移动。在口腔测量体温时，嘴巴一直张开。	检查是否按 [正确的测量] 章节所述把体温计置于正确的测量位置。
当按下电源开关时，显示部分无任何显示。	<ul style="list-style-type: none">电池极性 ⊕ ⊖ 颠倒。电池电量耗尽。	<ul style="list-style-type: none">取出电池，调换为正确极性。检查显示部分是否显示 []。更换新电池 (LR41)。
在测量准备期间未显示 [37.0°C (98.6°F)]。	<ul style="list-style-type: none">显示的温度介于 [36.9°C (98.4°F)] 和 [37.1°C (98.8°F)] 之间。在测量准备期间未显示 [36.9°C (98.4°F)] 和 [37.1°C (98.8°F)] 范围之间，甚至在打开和关闭体温计几次后，仍是这样。	<ul style="list-style-type: none">体温计可正常使用。请联系就近的 OMRON 经销商。

■保养与维修

请保持体温计的清洁。

- 切勿用水强力喷射清洗体温计或将其长期浸于水中。
- 用柔软干净的布擦拭体温计。
- 用酒精清洁体温计时，确保酒精不要接触指示部分。
- 对于顽固污垢，用浸有水或中性去垢剂的布擦拭体温计，然后将布拧干。最后用柔软干燥的布擦拭体温计。
- 请遵循下列事项，以防止损坏体温计。
 - 切勿使用苯、稀释剂、汽油或其他强性溶剂清洗体温计。
 - 切勿长期用酒精浸泡感应部分或尝试用热水 (水温为 50°C (122°F) 或更高) 对其进行消毒。
 - 切勿用超声洗涤来清洁体温计。

■规格

产品名称	数字体温计 MC-246	电源	1.5V DC, 1 LR41 碱锰钮扣电池
电源消耗	0.1mW	电池寿命	约2年或以上 (若每天使用 3 次)
感应单位	电热调节器	测量方法	实际测量
温度显示	3 位数，+°C (°F) 显示以 0.1 度递增	应用的部件：	= B型
测量精确性	±0.1°C (32.0 至 42.0°C) ±0.2°F (89.6 至 107.6°F) (当在标准室温为 23°C (73.4°F) 的恒温测试槽里测量时)	地震保护	内部供电的设备
测量范围	32.0 至 42.0°C (89.6 至 107.6°F)		
使用环境温度 and 湿度	环境温度为 +10 至 +40°C (+50 至 +104°F)，相对湿度为 30-85%RH		
储存环境温度 and 湿度	环境温度为 -20 至 +60°C (-4 至 +140°F)，相对湿度为 10-95%RH		
重量	约 12g (含电池)		
外形尺寸	19.4 mm (宽) × 132.5 mm (长) × 10.0 mm (厚)		
附件	测试电池 (碱锰钮扣电池 LR41)、储存盒、说明书、5 个探头盖		

规格可能有所更改，恕不另行通知。
此 Omron 产品是依照日本 OMRON HEALTHCARE Co. Ltd. 的严格质量体系制造而成。

请仔细阅读本说明书。

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