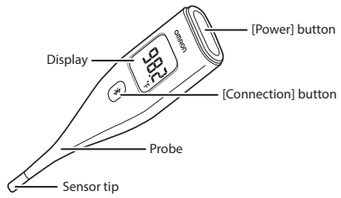
Wireless Digital Thermometer
ET6250

Instruction Manual



For Single Patient Use Only

3291271-5B

Table of Contents

1. Introduction

Thank you for purchasing the OMRON ET6250 Wireless Digital Thermometer. This wireless digital thermometer eliminates any worries about broken glass or mercury hazards.

■ Safety Instructions

This instruction manual provides you with important information about the OMRON ET6250 Wireless Digital Thermometer. To ensure the safe and proper use of this device, READ and UNDERSTAND all of these instructions.
If you do not understand these instructions or have any questions, contact 1-800-634-4350 before attempting to use this device. For specific information about your temperatures, consult with your physician.

■ Intended Use

The wireless digital thermometer is used for the intermittent measurement and monitoring of human body temperature orally. The device is for adult and pediatric populations and is intended to be operated by adults. It is mainly designed for household use.

■ Receiving and Inspection

Remove this device from the packaging and inspect for damage. If this device is damaged, DO NOT USE and contact 1-800-634-4350.

■ Symbols Glossary

For symbol information, visit: OmronHealthcare.com/symbols-glossary

2. Important Safety Information

Read the Important Safety Information in this instruction manual before using this device. Follow this instruction manual thoroughly for your safety. Keep for future reference.

⚠ Warning Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

- Keep the thermometer out of the reach of infants, toddlers and children.
- Always supervise children during temperature measurement.
- To help avoid choking, keep the battery, battery cover and screw away from infants, toddlers and children. If any of these are swallowed, consult with your physician immediately.
- NEVER diagnose or treat yourself based on your readings. ALWAYS consult with your physician.
- DO NOT use the thermometer to measure anything other than human body temperature.
- This thermometer is designed for oral temperature measurements only. DO NOT attempt to take measurements at other sites, such as in the ear, underarm or rectum as it may lead to injury or false readings.
- DO NOT attempt to take measurements when the thermometer is wet. It may cause inaccurate readings.
- DO NOT use the thermometer with other medical electrical (ME) equipment simultaneously. This may result in incorrect operation of other medical electrical equipment and thermometers and/or cause an inaccurate reading.
- NEVER throw the thermometer into a fire. Dispose of the thermometer in accordance with your local regulations.

Data Transmission

- This product emits radio frequencies (RF) in the 2.4 GHz band. DO NOT use this product in locations where RF is restricted, such as on an aircraft or in hospitals. Turn off the **Bluetooth®** feature in this thermometer when in RF restricted areas. For further information on potential restrictions refer to documentation on the Bluetooth usage by the FCC.
- This product emits radio frequencies. Turn off the Bluetooth feature in this thermometer when taking a measurement with a cardiac pacemaker, implantable cardioverter defibrillators, or other implanted electronic devices. This may result in incorrect operation of the implanted electronic devices and the thermometer.

⚠ Caution Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury to the user or patient, or cause damage to the equipment or other property.

- DO NOT use the thermometer in places where strong static electricity is present. It may cause an inaccurate reading and/or cause the thermometer to operate incorrectly.
- DO NOT share this thermometer among other individuals because infectious diseases may occur.
- DO NOT disassemble or attempt to repair the thermometer. It may cause inaccurate reading and/or result in incorrect operation of the thermometer.
- DO NOT bite on the thermometer because breakage and injury may occur.
- DO NOT pull or bend the thermometer.
- DO NOT drop or step on the thermometer or storage case.
- DO NOT subject the thermometer or storage case to strong shocks or vibrations.
- DO NOT use or store this thermometer in places with high or low humidity or high or low temperatures. Refer to section 12.
- During measurement, make sure that no mobile device or any other electrical devices that emit electromagnetic fields is within 12 inches (30 cm) of this thermometer. This may result in incorrect operation of the thermometer and/or cause an inaccurate reading.
- Ensure that the thermometer has acclimated to room temperature before taking a measurement. Taking a measurement after an extreme temperature change could lead to an inaccurate reading. OMRON recommends waiting for approximately 2 minutes for the thermometer to warm up or cool down when is used in an environment within the temperature specified as operating conditions after it is stored either at the maximum or at the minimum storage temperature. For additional information of operating and storage/transport temperature, refer to section 12.
- Avoid smoking, drinking or eating for at least 30 minutes before taking a measurement.

Data Transmission

- DO NOT replace the battery while your reading is being transferred to your smart device. This may result in incorrect operation of the thermometer and failure to transfer your temperature data.

Battery Handling and Usage

- DO NOT insert the battery with its polarity incorrectly aligned because damage to the thermometer and injury may occur.
- ONLY use a CR2032 lithium button battery with this thermometer. DO NOT use any other type of battery.
- Remove the battery when the thermometer will not be used for 3 months or more.
- If battery fluid gets in your eyes, immediately rinse with plenty of clean water. Consult with your physician immediately.
- DO NOT replace the battery while the power is on.
- DO NOT use the battery after its expiration date.

3. How the Predictive Temperature Measurement Works

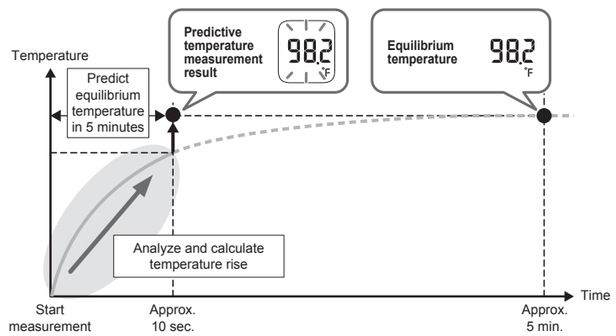
About the Equilibrium Temperature

The equilibrium temperature refers to the stable temperature of the inner body which is also known as "core body temperature", such as the brain or internal organs.

With the thermometer in the mouth, it needs approximately 5 minutes to take the equilibrium temperature.

What is Predictive Temperature Measurement?

This thermometer predicts what the equilibrium temperature reading would be at 5 minutes after the start of the measurement in approximately 10 seconds, by analyzing and calculating the rising oral temperature.

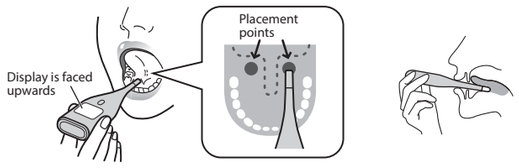


- Accuracy of the predictive temperature measurement could be affected by incorrectly taking a temperature measurement, blood circulating conditions, or by body type.

4. Measuring Temperature Correctly

Measurement will not be accurate when the thermometer is incorrectly used to take a measurement.

- Place the sensor tip in the mouth under the tongue so that it rests to the left or right beneath the tongue.
- Use downward tongue pressure to hold the thermometer in place.
- Using your hand, hold the thermometer to keep it from sliding around in the mouth.
- Remain still and keep the mouth closed until the entire measurement is complete.



The following may result in incorrect measurements:

Taking a measurement immediately after exercising, bathing, eating or drinking.

- Wait at least 30 minutes before taking a measurement.

Taking a measurement after moving around after awakening.

- After awakening, it is recommended to take a measurement before starting your morning routine as this can increase your body temperature. It is recommended to measure directly after waking up or rest 30 minutes before taking a measurement.

Taking a measurement repeatedly.

- Turn the power off and wait at least 30 seconds, and then take a measurement again.

5. Pairing Your Thermometer with a Smart Device

The date and time will not be shown on your thermometer, but the date and time will automatically be set when you pair your thermometer with your smart device.

Note

- To transfer your readings to your smart device, first download and install the compatible OMRON app and follow the instructions within the app.

Review the list of compatible smart devices at OmronHealthcare.com.

1. **Enable Bluetooth on your smart device.**
2. **Scan the code to the right with your smart device camera or visit OmronHealthcare.com/app to find the OMRON compatible app for this product.**
3. **Download and install the compatible OMRON app onto your smart device.**
   If you already have the compatible OMRON app and have created your account, open the app and add your new thermometer.
4. **Open the app and follow the pairing instructions shown on your smart device.**
5. **Confirm that your thermometer is connected successfully.**
   When your thermometer is connected successfully to your smart device, the "OK" symbol appears with a beep sound.

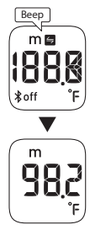
6. **Press the [Power] button to turn your thermometer off.**

Note

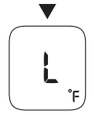
- Your thermometer will automatically turn off after 10 seconds.
- If you do not pair this thermometer to set the date and time, any readings you take with this thermometer will not be transferred.
- Please be aware that OMRON will not be responsible for the loss of data and/or information in the app.
- Only compatible OMRON apps should be used with this thermometer to help ensure correct data transfer.

6. Using Your Thermometer

1. **Press the [Power] button.**
   1) Symbols appear on the display as an internal test function, and the buzzer beeps.



   2) The most recent reading with "m" is displayed.
   3) When "L" appears, the thermometer is ready for use.



   Note

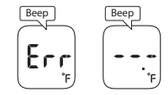
   - The display will show "L" (or the actual temperature if it is stored in warm ambient environment above 89.6 °F (32.0 °C)).

2. **Insert the thermometer properly into the mouth.**
   Refer to section 4 for instructions on proper insertion and sensor placement in the mouth.
3. **The buzzer will emit a beep-beep-beep sound 3 times when the measurement is complete.**

   Buzzer timing
   Approx. 10 seconds
   The buzzer timing may vary depending on the ambient temperature or if the thermometer is not properly inserted or held in the mouth during temperature measurement.

   Note

   - If the buzzer beeps and the error as shown in the illustration to the right appears, refer to the section 11.



4. **Open the app on your smart device.**
   The transmission will start automatically.

   Note

   - Check within the app to make sure your readings are successfully transferred.
   - If "Err" and "✱" appear, follow the instructions in the app.
   - If necessary to transfer the reading manually after the measurement, press the ✱ button of the thermometer and refer to the app for instructions.
   - For further details regarding transferring your readings to your smart device, refer to the app.

5. **Press the [Power] button to turn the thermometer off.**
   Clean the thermometer before returning it to the storage case. Refer to sub-section 10.2.

   Note

   - The thermometer will automatically turn off 3 minutes after a measurement has completed.
   - Your reading will automatically be stored in the thermometer's internal memory. The thermometer can store up to 30 readings, but the previous readings cannot be viewed on the thermometer.

7. Disabling Bluetooth®

Bluetooth is enabled as default.

1. **When your thermometer is off, press and hold the ✱ button for more than 10 seconds.**
   "oFF" appears with a beep sound.

2. **Press the [Power] button to turn your thermometer off.**

   Note

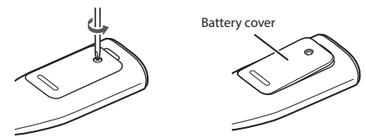
   - When Bluetooth is disabled and power is on, the "✱off" symbol appears.
   - To enable the Bluetooth, make sure the display is turned off, then press and hold the ✱ button for more than 2 seconds. "on" appears on the display with a beep sound. The "✱" symbol does not appear when the power is on.
   - Your thermometer will automatically turn off after 10 seconds.

8. Replacing the Battery

This thermometer uses a CR2032 lithium button battery.
Use the battery within the recommended period indicated by its manufacturer.
Replace the battery if "▭" and "A1" appear when the thermometer is turned on.

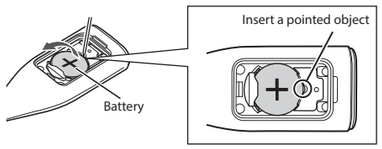
1. **Remove the screw with a small cross-slot screwdriver, then remove the battery cover.**

   Note
   - To prevent any water from entering into the thermometer, make sure not to lose the screw when removing them from the battery cover.

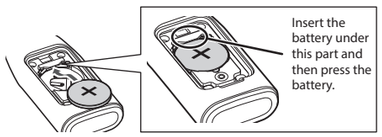


2. **Remove the battery with a thin, pointed object.**

   Note
   - Do not use a metal tool as it may damage the surrounding parts.
   - When removing the battery, be careful not to injure yourself as the battery may pop out.

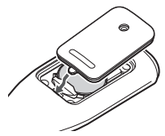


3. **Insert new battery with the "+" polarity facing up as shown in the illustration to the right.**



4. **Replace the battery cover and secure it with the screw.**

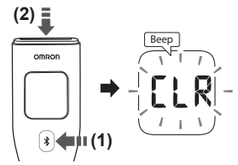
   Note
   - To prevent any water from entering into the thermometer, DO NOT insert any object between the thermometer and the battery cover. It may cause damage to the thermometer.
   - After replacing the battery, open the app and press the ⓑ button on the thermometer to set the date and time.
   - The supplied battery may have a shorter lifespan than a new battery.
   - Dispose of the thermometer, battery and component according to local government regulations.



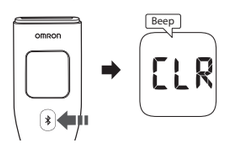
9. Restoring Your Thermometer to the Default Settings

To delete all the information stored in your thermometer, follow the instructions below. Make sure that your thermometer is turned off.

1. **While pressing and holding the ⓑ button, press the [Power] button within 2 seconds. Then, release both of buttons when "CLR" flashes with a beep sound.**



2. **Press and hold the ⓑ button for more than 2 seconds.**
   "CLR" stops flashing with a beep sound, then your thermometer is restored to the default settings.



3. **Press the [Power] button to turn your thermometer off.**

Note
- Your thermometer will automatically turn off after 10 seconds.
- Reverting to the default setting of your thermometer does not delete the information in the app.

10. Maintenance

10.1 Storage

Store the thermometer in the storage case.

Do not store the thermometer:
- In locations exposed to extreme temperatures, humidity, close to heating equipment, direct sunlight, dust, or corrosive vapors such as bleach.
- In locations where this thermometer may be exposed to vibration or shock.

10.2 Cleaning

Clean your thermometer after every use.

- The thermometer is washable. Wash it under slow running cold/lukewarm water for several seconds (do not use a sponge or sharp object such as a fingernail or toothpick), and wipe it with a soft dry cloth. Dry it completely.
- Clean the thermometer using a soft cloth and 70 % isopropyl alcohol.
- 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 thermometer in isopropyl alcohol or hot water (water at a temperature of 122 °F (50 °C) or higher).

11. Error Messages and Troubleshooting

If any of the below problems occur during measurement, check to make sure that no other electrical device is within 12 inches (30 cm) from the device. If the problem persists, please refer to the table of this section.

Display/Problem	Possible Cause	Solution
Either 0, 1, 2, 4 or 5 appears with "Er".	The thermometer may have a malfunction.	Contact customer service. Refer to section 14.
"AH-" appears.	The thermometer is/was stored in a location where the temperature is/was 104 °F (40 °C) or more.	Place the thermometer in a location where the temperature is between 50 and 104 °F (10 and 40 °C) for at least 2 minutes. Then, take a measurement.
"AL-" appears.	The thermometer is/was stored in a location where the temperature is/was lower than 50 °F (10 °C).	
When the thermometer is turned on, "L" appears.	The temperature of the sensor tip is lower than 89.6 °F (32 °C).	This is not a malfunction. Keep taking a measurement.
When the thermometer is turned on, "H" appears.	The temperature of the sensor tip is higher than 107.6 °F (42 °C).	Cool the sensor tip with a damp towel and then take a measurement.
When the thermometer is turned on, a random reading between 89.6 to 107.6 °F appears.	The sensor tip is warm and the display shows the actual ambient temperature, if the ambient temperature is higher than 89.6 °F (32 °C).	
"Err" and "°F" appear with a beep sound.	The thermometer fails to analyze and/or calculate temperature rising because you move the thermometer or your mouth during measurement.	Turn the power off and wait at least 30 seconds, then re-insert the thermometer correctly to take a measurement again.
"---" and "°F" appear with a beep sound.	The thermometer is not inserted correctly or comes out of the mouth during measurement.	
The readings are inconsistent.	• The sensor tip comes out of the placement point. • The sensor tip is placed on different placement points inside the mouth for each measurement. • The mouth is open during measurement.	Use the thermometer correctly. Refer to section 4.
"▭" flashes any time.	Battery is low.	Replacing the battery with new one is recommended. Refer to section 8.
Nothing appears or "▭" and "A1" appear on the display when the [Power] button is pressed.	Battery polarity is not properly aligned.	Check the battery installation for proper placement. Refer to section 8.
	Battery is depleted.	Immediately replace the battery with a new one. Refer to section 8.
"Err" and "ᛒ" appear.	The thermometer cannot connect to a smart device or transmit thermometer readings correctly.	Follow the instructions shown in the app. If the "Err" and "ᛒ" still appear after checking the app, contact customer service. Refer to section 14.
"P" flashes.	The thermometer is waiting to pair with the smart device.	Refer to section 5 for pairing your thermometer with your smart device or press the [Power] button to cancel pairing and turn your thermometer off.
"▯" flashes.	The thermometer is ready to transfer readings to the smart device.	Open the app to transfer your readings.
"⇆" flashes.	• Internal stored memory is almost full. • The date and time are not set after replacing battery.	Pair or transfer your readings to the app so the readings will not be lost, and the date and time will be set. Then, this symbol disappears.
"⇆" appears.	Internal stored memory is completely full.	
Transferring the readings are not successfully completed.	The thermometer is too far from your smart device.	Bring the thermometer within 16 ft. (5 m) of your smart device.
Any other communication issue occurs.	Follow the instructions shown in the smart device, or visit the "Help" section in the app for further help. If the problem still persists, contact customer service. Refer to section 14.	

If any of the problems below occur, the measurement may have been incorrectly taken. Refer to section 4.
- The reading is higher than usual or "H" appears on the display instead of the reading.
- The reading is lower than usual or "L" appears on the display instead of the reading.

12. Specifications

Model	ET6250 REF MC-6811T2-Z
Sensing unit	Thermistor
Measurement accuracy	±0.2 °F (89.6 to 107.6 °F) (when measured at a standard room temperature of 73.4 °F (23 °C) in a test tank held at constant temperature)
Temperature display	4 digits (°F) display in 0.1 degree increments
Measuring site and Reference body site	Oral
Measurement time	8 to 30 seconds
Power supply	3 V DC, CR2032 lithium button battery
Durable period (service life)	5 years (1 time measurement per day)
Battery life	Approx. 1 year (1 measurement, 1 data transfer per day at a room temperature of 73.4 °F (23 °C))
Measurement mode	Adjusted mode (Predictive temperature measurement)
Transmission method	**Bluetooth®** Low Energy
Wireless communication	Frequency range: 2.4 GHz (2400 - 2483.5 MHz) Modulation: GFSK Effective radiated power: < 20 dBm
IP classification	IP 22
Operation mode	Continuous operation
Applied part	Type BF (sensor tip and probe)
Protection against electric shock	Internally powered ME equipment
Measurement range	89.6 to 107.6 °F
Internal memory	Stores up to 30 readings
Operating conditions	+50 to +104 °F (+10 to +40 °C), 30 to 85 % RH (non-condensing), 700 to 1060 hPa
Storage/Transport conditions (between uses)	-4 to +140 °F (-20 to +60 °C), 10 to 90 % RH (non-condensing)
Weight	Approx. 1 oz (30 g). (with battery installed)
Dimensions	Approx. 1.3" (w) × 4.8" (l) × 0.7" (d) (32.6 × 122 × 16.6 mm)
Package contents	Thermometer, CR2032 lithium button battery (installed), storage case, instruction manual, app set-up guide

- The specifications may be changed without prior notice.
- The sensor tip of this thermometer contains nickel.
- Operation mode classification complies with IEC 60601-1.
- IP classification is degrees of protection provided by enclosures in accordance with IEC 60529. This device is protected against solid foreign objects of 0.5 inch (12.5 mm) diameter and greater such as a finger, and against oblique falling water drops which may cause issues during a normal operation.

About a wireless communication interference
The Bluetooth option in the product is used to connect to dedicated apps on mobile devices to synchronize date/time data from mobile device to the product, and to synchronize measurement data from the product to mobile device. Further handling of the data on the mobile device is up to the user's discretion. This product operates in an unlicensed ISM band at 2.4 GHz where any third party can intercept the radio waves, willfully or accidentally, for any unknown purpose. In the event this product is used near other wireless devices such as microwave and wireless LAN, which operate on the same frequency band as this product, there is a possibility that interference may occur. If interference occurs, stop the operation of the other devices or relocate this product away from other wireless devices before attempting to use it.

13. FCC Statement

FCC CAUTION
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

Note
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines. This equipment has very low levels of RF energy that are deemed to comply without testing of specific absorption ratio (SAR).

14. Limited Warranty

Your ET6250, excluding the battery, is warranted to be free from defects in materials and workmanship appearing within 1 year from the date of purchase, when used in accordance with the instructions provided with the thermometer. The above warranty extends only to the original retail purchaser, and only to products purchased from an Omron authorized seller who is subject to and follows Omron's quality control standards, unless otherwise prohibited by law.
We will, at our option, replace without charge any thermometer covered by the above warranty. Replacement is our only responsibility and your only remedy under the above warranty.

To obtain warranty service contact Customer Service by calling 1-800-634-4350 for the address of the inspection center and the return shipping and handling fee. Enclose the original printed receipt. Include a letter, with your name, address, phone number, and description of the specific problem. Pack the product carefully to prevent damage in transit. Because of possible loss in transit, we recommend insuring the product with return receipt requested.

THE FOREGOING IS THE SOLE WARRANTY PROVIDED BY OMRON IN CONNECTION WITH THIS PRODUCT, AND OMRON HEREBY DISCLAIMS ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IMPLIED WARRANTIES AND OTHER TERMS THAT MAY BE IMPOSED BY LAW, IF ANY, ARE LIMITED IN DURATION TO THE PERIOD OF THE ABOVE EXPRESS WARRANTY. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

OMRON SHALL NOT BE LIABLE FOR LOSS OF USE OR ANY OTHER SPECIAL, INCIDENTAL, CONSEQUENTIAL OR INDIRECT COSTS, EXPENSES OR DAMAGES.
SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

This warranty provides you with specific legal rights, and you may have other rights that vary by jurisdiction. Because of special local requirements, some of the above limitations and exclusions may not apply to you.

FOR CUSTOMER SERVICE

Visit our web site at:	OmronHealthcare.com
Call toll free:	1-800-634-4350

15. Guidance and Manufacturer's Declaration

OMRON Wireless Digital Thermometer
Information for Accompanying Documents in the Scope of IEC60601-1-2:2014

Important information regarding Electromagnetic Compatibility (EMC)

ET6250 conforms to IEC60601-1-2:2014 Electromagnetic Compatibility (EMC) standard.
Further documentation in accordance with this EMC standard is available at OmronHealthcare.com/emc. Refer to the EMC information for ET6250 on the website.

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