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| Project Type Instructions | Date: July 12 2022 Customer: Thermor Ltd Job Number: TH1487 Item Number: 1671 Designer: Alex Vranjesevic | Revision: B |  Contact: Graphics Department graphics@thermor-ins.com |
| | UPC (For Reference Only)  0 57475 01671 5 | Reason For Project: New Item: New Branding: Design Update: N/A: X | |

BIOS

*Diagnostics*TM

DIGITAL FEVER THERMOMETER 1671

Thank you for purchasing BIOS Diagnostics Fever Thermometer. To correctly utilize all the advantages of this product, please familiarize yourself with these operating instructions before using the thermometer for the first time. Keep the instructions in a safe place for future reference.



INDICATIONS FOR USE:

This digital thermometer (1671) is intended to measure the human body's temperature in regular mode, orally, rectally or under the arm. This device was designed to be reusable for clinical or home use, on people of all ages.


SPECIAL FEATURES

- **Automatic self-test:** guarantees a specified measuring accuracy for each temperature reading! «ERR» (error) is immediately indicated if any deviation is registered.
- **Temperature measurement** within 60-90 seconds depending on measuring method used.
- **Digital display** for temperature changes as minor as 0.1°C / 0.1°F.
- **Automatic switch off:** after approximately 10 minutes – for longer battery life.
- **Battery:** Silver oxide high drain. (Non disposable)

IMPORTANT SAFETY INSTRUCTIONS

- The thermometer is suitable exclusively for measurement of body temperature.
- The battery cover is sonic-welded with the main housing of the thermometer; the battery is well sealed inside the thermometer to reduce the risk of being swallowed by children.
- Protect the thermometer from hitting and striking.
- Avoid ambient temperatures above 60°C / 140°F. **NEVER** boil the thermometer!
- Use only the commercial disinfectants listed in the section «cleaning and disinfecting» to clean the thermometer. The thermometer must be intact when immersed in liquid disinfectant.
- **Warning:** The thermometer contains a long-life battery. For disposal, please comply with local regulations for special waste.
- Do not use the device if you think it is damaged or if anything appears unusual.
- Ensure that children do not use this device unsupervised; some parts are small enough to be swallowed.
- The manufacturer recommends to verify the accuracy by an authorized laboratory every 2 years.
- Do not store the unit under direct sunlight, at a high temperature, or in high humidity or dust. Performance may be degraded.
- Using the unit in the immediate vicinity of mobile phones, microwave appliances or other devices with strong electromagnetic fields may result in impaired functioning.
- Batteries and electronic instruments must be disposed of in accordance with the locally applicable regulations, and not as domestic waste.
- Do not use this device close to strong electromagnetic fields, such as mobile telephones or radio installations. Keep a distance from such devices when using this unit.

HOW TO TAKE A TEMPERATURE

1. Select Oral, Axillary (Underarm) or Rectal as your measurement site based on each individual. Clean thermometer with soap and water prior to use.
2. Push the On/Off button on the top of the thermometer; the display will read:  This is a function check indicating that the thermometer is working properly.
NOTE: If a malfunction is detected (measurement inaccuracy), this is indicated by "ERR" on the display, and a measurement becomes impossible. In this case, the thermometer must be replaced.
3. After the function check, a temperature measurement will appear if there is a reading in the memory. Immediately after "L°C" with the °C/°F flashing and the "M" gone, will indicate that the thermometer is ready for use.
4. While taking a temperature, the °C/°F flashes as long as the temperature increases. If the °C/°F is no longer flashing, this means that the measured increase in temperature is now less than 0.1°C / 0.2°F in 16 seconds and that the thermometer is ready to read.
NOTE: The display will read "L" if the measurement taken is below 32.0°C / 89.6°F. It will display "H" if the measurement is above 43.9°C / 111°F.
5. To prolong the life of the battery, turn the thermometer off after each use by pressing the On/Off button briefly, otherwise the thermometer will turn off after about 10 minutes.

SWITCHING °C / °F

With the thermometer turned off, press and hold the **ON/OFF** button for around 4 seconds until «C» or «F» flashes. Now press the ON/OFF button to switch between °C/°F. Release button when the desired indicator is chosen and wait till measurement mode. The thermometer is set to your selection for future use.

MEASURING METHODS

Oral

Position the thermometer in one of the two pockets under the tongue, to the left or right of the root of the tongue. The measuring sensor must be in good contact with the tissue. Close your mouth and breath evenly through the nose to prevent the measurement from being influenced by inhaled/exhaled air.
Approximate measuring time: 1 minute.

Rectal

This is the most reliable measuring method, and is especially appropriate for infants and small children. Lubricate the thermometer with a water-soluble personal lubricant or petroleum jelly. Carefully insert the tip of the thermometer no more than 1/2 inch or 1.3 cm into the rectum.

Do not force the tip into the rectum if resistance is encountered.

Approximate measuring time: 1 minute.

Axillary (Underarm)

From a medical viewpoint, this method will always provide inaccurate readings, and should not be used if precise measurements are required.



Approximate measuring time: 5 to 10 minutes.

MEMORY RECALL

When turning on the thermometer, the last measurement will be displayed with a «M» for memory. After 3 more seconds, this value will disappear and the thermometer will switch to the normal measurement mode. Then the stored value is erased.

CLEANING AND DISINFECTING

The thermometer is 100% waterproof and may be immersed in water or disinfectant solution, then wipe it off with a moist towel. Please use following disinfectant for cleaning, following the manufacturer's instructions. Clean the thermometer before and after each use.

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| Name of Disinfectant | Dilution with Water | Max. Duration Method |
|-----------------------|---------------------|----------------------|
| Isopropyl alcohol 70% | 95.0% | Immerse for 24 hours |

Note: Any other cleaning solution, dilution or cleaning method can cause a malfunction of the thermometer. The thermometer must never be boiled.

BATTERY DISPOSAL

Please break the end cap from the main body with a pair of pliers. Remove the battery and the PC board from the plastic housing and dispose of separately. Battery cannot be replaced.

TECHNICAL SPECIFICATIONS

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| Type | Maximum thermometer |
| Measurement range | 32.0°C to 43.9°C / 90.0°F to 109.9°F Temp. < 32.0°C / 90.0°F; display «L» for low (too low) Temp. > 43.9°C / 109.9°F; display «H» for high (too high) |
| Measurement accuracy | ±0.1°C / 0.2°F between 34°C / 93.2°F and 42°C / 107.6°F at an ambient temperature of 18°C / 64.4°F to 28°C / 82.4°F |
| Self-test | Automatic internal check at a test value of 37.0°C / 98.6°F; if there is a deviation of >0.1°C / 0.2°F, «ERR» (error) is displayed. |
| Display | Liquid crystal display (LCD) with three digits Smallest unit of display: 0.1°C / 0.1°F |
| Memory | For storing the last measured value |
| Operating environment | 10°C to 40°C / 50°F to 104°F |
| Storage temperature | -25°C to 60°C / -13°F to 140°F |
| Storage humidity | 15% to 95% (noncondensing) |
| Battery | IEC type SR41 Silver oxide high drain |
| Battery lifetime | Approx. 4500 measurements |
| Reference to standards | EN12470-3, clinical thermometers ASTM E 1112, IEC 60601-1, IEC 60601-1-2, IEC 60601-1-11 |

LIMITED 2 YEAR WARRANTY:

This BIOS Diagnostics Fever Thermometer has a limited 2 year warranty to be free of manufacturing defects for the life of the original owner. The warranty does not cover damage from misuse or tampering.

100% Satisfaction Guarantee

If at any time, you are not completely satisfied with the performance of this device, call our BIOS Medical Hotline and speak with a customer service representative, who will make arrangements to have the device repaired or replaced to your full satisfaction.

If you have questions regarding the operation of your monitor call the

BIOS Medical Hotline: 1-866-536-2289

Should repair be necessary, return the unit with all component pieces. Enclose proof of purchase and \$5.00 for return shipping and insurance. Ship the unit **prepaid** and insured (at owners option) to:

Thermor Ltd
 Repair Department
 16975 Leslie Street
 Newmarket, ON L3Y 9A1
 www.biosmedical.com
 Email: support@biosmedical.com

Please include your name, return address, phone number, and email address. BIOS Medical will repair or replace (at BIOS Medical option) free of charge any parts necessary to correct the defect in material or workmanship.

Please allow 10 days for repair and return shipping.



Type BF applied part



Batteries and electronic devices must be disposed of in accordance with the locally applicable regulations, not with domestic waste.



Follow Instructions for Use. This document provides important product operation and safety information. Please read this document thoroughly before using the device and keep for future reference.

IP22: Protected against solid foreign objects of 12.5 mm diameter and greater. Protected against vertically falling water drops when the device is tilted up to 15°.



BIOS Medical
 MANUFACTURED BY / FABRIQUÉ PAR :
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