

Dr Trust Digital Thermometer Flexible Tip

OWNER'S MANUAL

PLEASE READ CAREFULLY BEFORE USE

This digital thermometer provides a quick and highly accurate reading of an individual's body temperature. The digital thermometer is intended to measure the human body's temperature in regular mode orally, rectally or under the arm, and the device is reusable for clinical or home use on people of all ages. To better understand its functions and to provide years of dependable results, please read all instructions.

This appliance conforms to the following standards:

EN 12470-3 Clinical thermometers —Part 3: Performance of compact electrical thermometers (non-predictive and predictive) with maximum device,
 ISO 80601-2-56 Medical electrical equipment —Part 2-56: Particular requirements for basic safety and essential performance of clinical thermometers for body temperature measurement,
 EN 60601-1-11 Medical electrical equipment —Part 1-11: General requirements for basic safety and essential performance — Collateral Standard: Requirements for medical electrical equipment and medical electrical systems used in the home healthcare environment and complies with the requirements of EN 60601-1-2(EMC), IEC/EN60601-1(Safety) standards. And the manufacturer is ISO 13485 certified.

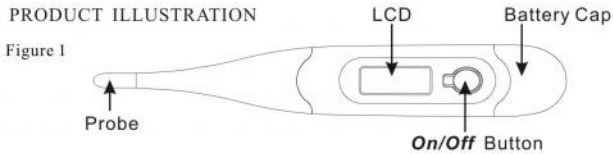
Warning :

- ⚠ Read instructions thoroughly before this thermometer.
- ⚠ Do not allow children to use this device without parental supervision.
- ⚠ Do not use thermometer in ear. Designed to use for oral, rectal, and armpit (axilla) readings only.
- ⚠ Do not place thermometer battery near extreme heat as it may explode.
- ⚠ Note: Use of the probe cover may result in a 0.1°C(0.2°F) discrepancy from actual temperature.
- ⚠ Remove battery from the device when not in use.
- ⚠ The use of temperature readings for self-diagnosis is dangerous. Consult your doctor for the interpretation of results. Self-diagnosis may lead to the worsening of existing disease conditions.
- ⚠ Do not attempt measurements when the thermometer is wet as it may result to inaccurate readings.
- ⚠ Do not bite the thermometer. Doing so may lead to breakage and/or injury.
- ⚠ Do not attempt to disassemble or repair the thermometer. Doing so may result in inaccurate readings.
- ⚠ After each use, disinfect the thermometer especially in case the device is used by more than one person.
- ⚠ Do not use thermometer orally after being used rectally.
- ⚠ If the unit has been stored at temperatures over 5°C ~ 40°C(41°F ~ 104°F), leave it in 5°C ~ 40°C (41°F ~ 104°F) ambient temperature for about 15 minutes before using it.

CONTENTS

1 Thermometer, 1 User Manual, 1 Storage Case

PRODUCT ILLUSTRATION



PRECAUTION

- * The performance of the device may vary due to one or more of the following reasons:
 - If used outside stated temperature and humidity range.
 - If stored outside stated temperature and humidity range.
 - Mechanical shock (for example, drop test) or degraded sensor.
 - Patient temperature is below ambient temperature.
- * Portable and mobile RF communications can affect the device. The device needs special pre-cautions regarding EMC according to the EMC information provided in the documents.

SYMBOL EXPLANATION

---	Direct Current	[LOT]	Batch Code
[⚠]	Type BF Applied Part	[CE]	European Authorized Representative
[👤]	Consult Accompanying Documents	55°C -20°C	Storage and Transportation Temperature Limit: -20°C~55°C (-4°F ~ 131°F)

SPECIFICATIONS

Type:	Digital Thermometer
Measure Range:	32.0°C - 42.9°C (90.0°F - 109.9°F) (°C / °F)
Accuracy:	±0.1°C (±0.2°F) during 35.5°C-42.0°C (95.9°F-107.6°F) at 18°C-28°C (64.4°F-82.4°F) ambient operating range ±0.2°C (±0.4°F) for other measuring and ambient operating range
Operating mode:	Direct Mode
Display:	Liquid crystal display, 3 1/2 digits
Memory:	For storing the last measured value
Battery:	One 1.5 V DC, button battery (size LR41 or SR41, UCC 392)
Battery life:	Approx. 200 hours of continuous operation or 1 year with 3 measurements per day
Dimension:	12.4cm x 1.9cm x 1.1cm (L x W x H)
Weight:	Approx. 11 grams including battery
Expected service life:	Three years
Ambient operating range:	Temperature: 5°C ~ 40°C (41°F ~ 104°F) Relative humidity: 15%~95%RH Atmospheric Pressure: 700hPa ~ 1060hPa
Storage and transportation condition:	Temperature: -20°C~55°C (-4°F ~ 131°F) Relative humidity: 15%~95%RH Atmospheric Pressure: 700hPa ~ 1060hPa
Ingress Protection Rating:	IP 27
Classification:	Type BF [⚠]

°C/°F SWITCHABLE

Temperature readings are available in Celsius or Fahrenheit scale (°C/°F); located in the upper right corner of LCD.) With the unit off, press and hold the *On/Off* Button for approximately 2 seconds to change the current setting.

DIRECTIONS TO USE

1. Press the *On/Off* Button next to LCD display. A tone will sound as the screen shows **188.8°C**, followed by last recorded temperature. After showing the self-test temperature, the thermometer is now in the testing mode.
2. Position thermometer in desired location (mouth, rectum, or armpit.)
 - a) **Oral Use:** Place thermometer under tongue as indicated by "✓" position shown in Figure 2. Close your mouth and breathe evenly through the nose to prevent the measurement from being influenced by inhaled/exhaled air. Normal temperature between 35.7°C and 37.3°C (96.3°F and 99.1°F).
 - b) **Rectal Use:** Lubricate silver probe tip with petroleum jelly for easy insertion. Gently insert sensor approximately 1cm (less than 1/2") into rectum. Normal temperature between 36.2°C and 37.7°C (97.2°F and 99.9°F).
 - c) **Armpit Use:** Wipe armpit dry. Place probe in armpit and keep arm pressed firmly at side. From a medical viewpoint, this method will always provide inaccurate readings, and should not be used if precise measurements are required. Normal temperature between 35.2°C and 36.7°C (95.4°F and 98.1°F).
3. The degree sign flashes throughout the testing process. When flash stops an alarm will beep for approximately 10 seconds. The measured reading will appear on the LCD simultaneously. The minimum measurement time until the beep must be maintained without exception. The measurement continues even after the buzzer notification. So that in order to achieve better body temperature measurement result, it is recommended to keep the probe in mouth and rectum for about 2 minutes, or in armpit for about 5 minutes regardless of the beep sound and at least 30 seconds measurement interval should be maintained.

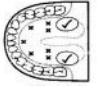


Figure 2

*Note: Normally the buzzes are "Bi-Bi-Bi-Bi-"; Alarm beeps more rapidly when temperature reaches 37.8°C (100°F) or higher, and the buzzes are "Bi-Bi-Bi-----Bi-Bi-Bi-----Bi-Bi-Bi"

4. To prolong battery life, press the *On/Off* Button to turn unit off after testing is complete. If no action is taken, the unit will automatically shut off after around 10 minutes.

TROUBLESHOOTING

Error message	Problem	Solution
Lo	Temperature taken is lower than 32.0°C(90.0°F)	Turn off, wait one minute and take a new temperature via close contact and sufficient rest.
Hi	Temperature taken is higher than 42.9°C(109.9°F)	Turn off, wait one minute and take a new temperature via close contact and sufficient rest.
Err	The system is not functioning properly.	Unload the battery, wait for 1 minute and repower it. If the message reappears, contact the retailer for service.
[🔋]	Dead battery: Battery icon is flashing, can't be measurable.	Replace the battery.

BATTERY REPLACEMENT

1. Replace battery when "[🔋]" appears in the lower right corner of LCD display.
2. Pull battery cover off as shown in Figure 3.
3. Gently pull out plastic circuit board with battery chamber approximately 1 cm (slightly less than 1/2"). (See Figure 4)
4. Use pointed object such as a pen to remove old battery. Discard battery lawfully. Replace with new 1.5V DC button type LR41 or SR41, UCC392, or equivalent. Be sure battery is installed with "+" polarity facing up. (See Figure 5)
5. Slide battery chamber back into place and attach cover.



Figure 3



Figure 4



Figure 5

CALIBRATION

The thermometer is initially calibrated at the time of manufacturing. If the thermometer is used according to the user instruction, periodic readjustment is not required. However, we recommend checking calibration every two years or whenever clinical accuracy of the thermometer is required. Turn on the thermometer and insert into the water bath and then check the laboratory accuracy of thermometer. Please send the complete device to the supplies.

CLEANING AND DISINFECTION

Wipe the thermometer with a soft clean cloth.
 For stubborn stains, wipe the thermometer with a cloth that has been damped with water or a neutral detergent solution and then wring thoroughly. Finish by wiping with a soft dry cloth.
 For disinfection, 75% Ethanol or Isopropyl alcohol can be used.
 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 attempt to disinfect the sensing section (tip) of the thermometer by immersing in alcohol or in hot water (water over 50°C (122°F)).
 -Do not use ultrasonic washing to clean the thermometer.

For any query contact: -dr@drtrustusa.com