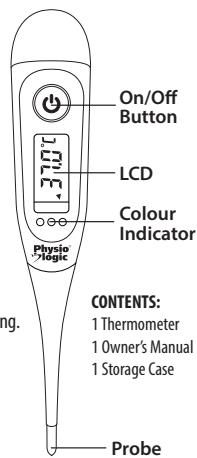


Physio Logic® *Now you know*  
*Soyez sûr*

# Accuflex®10

THERMOMETER

Model: 016-635



## USER GUIDE

Thank you for purchasing the Physio Logic® Accuflex®10 Thermometer.

### PLEASE READ INSTRUCTIONS CAREFULLY BEFORE USE

To better understand the Accuflex®10 Thermometer, please read all instructions thoroughly before using.

This digital thermometer provides a quick and accurate reading of an individual's body temperature.

Your thermometer features a comfortable and flexible tip along with beeper and memory functions.

It is intended to measure body temperature orally, rectally, or under the arm.

Perfect for clinical or home use for people of all ages.

### CONTENTS:

- 1 Thermometer
- 1 Owner's Manual
- 1 Storage Case

## WARNING:

**DO NOT ALLOW CHILDREN TO USE THIS DEVICE WITHOUT PARENTAL SUPERVISION.**  
**CHOKING HAZARD: THERMOMETER CAP AND BATTERY MAY BE FATAL IF SWALLOWED.**

- Do not use thermometer in ear. Designed use is for oral, rectal, and armpit (axilla) readings only.
- 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 inaccurate readings may result.
- Do not walk, run, or talk during temperature taking.
- 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 force thermometer, insert a MAXIMUM of 1.25 cm (1/2") into rectum. Stop insertion if pain is present. Failure to do so may lead to injury.
- Do not use thermometer orally after being used rectally.
- For children who are two years old or younger, please do not use the device orally.
- If the unit has been stored at temperatures under 5 °C or over 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.

**Note:** Use of the probe cover may result in a 0.1 °C (0.2 °F) discrepancy from actual temperature.

## PRECAUTIONS

\* **The performance of the device may be impacted should one or more of the following occur:**

- Operation outside the manufacturer's stated temperature and humidity range
- Storage outside the manufacturer's 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
- Do not use the device in an MR Environment

## Taking Temperature

Clean and disinfect your Accuflex®10 thermometer according to the instructions in this user guide.

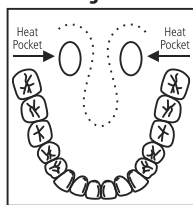
**Note:** Drinking hot or cold fluids, exercising, smoking or performing other activities may raise or lower your temperature.

It is important to relax for approximately 5 minutes, mouth closed, prior to taking a reading.

### Oral Use

1. Press the ON/OFF button to turn the unit on. The unit will show the displays above along with the last stored temperature and will beep once. The °C symbol will start flashing, which means the thermometer is ready to start taking temperature.
2. Place the probe tip under the tongue as near as possible to a pocket as shown in **Figure 1**. Avoid moving the unit.
3. Once the °C symbol on the display has stopped flashing (on average 10 seconds), a series of ten beeps will signal that peak temperature is reached.

Figure 1



### Rectal Use

**Note:** Rectal temperatures are an appropriate and reliable method for infants and young children. Otherwise, this method should only be used when it is impossible or impractical to take an oral or axillary temperature.

1. Press the ON/OFF button to turn the unit on. The unit will show the displays above along with the last stored temperature and will beep once. The °C symbol will start flashing, which means the thermometer is ready to start taking temperature.
2. Lubricate silver probe tip with petroleum jelly for easy insertion. Gently insert sensor approximately 1 cm (less than 1/2") into rectum.
3. Once the °C symbol on the display has stopped flashing (on average 10 seconds), a series of ten beeps will signal that peak temperature is reached.

### Axillary Use

1. Wipe the underarm with a dry towel.
2. Press the ON/OFF button to turn the unit on. The unit will show the displays above along with the last stored temperature and will beep once. The °C symbol will start flashing, which means the thermometer is ready to start taking temperature.
3. Place the probe tip under the arm so the tip is touching the skin, with the thermometer perpendicular to the body and keep arm pressed firmly to the side so that the probe tip is well covered by the arm. This also ensures the probe is not affected by the room's temperature.
4. Once the °C symbol on the display has stopped flashing (on average 10 seconds), a series of ten beeps will signal that peak temperature is reached.

**Note:** 1. If the temperature reading is less than 32 °C or 89.60 °F, the LCD will display "Lo".

2. If the temperature reading is higher than 42.99 °C or 109.38 °F, the LCD will display "Hi".

3. To prolong battery life, press the On/Off Button to turn unit off after testing is completed.

If no action is taken, the unit will automatically shut off after around 10 minutes.

## Memory

1. Press the ON/OFF button to turn the unit on, once the last stored temperature appears on the display, hold the On/Off button until entering into Memory Mode.
2. Once in memory mode, press the On/Off button to verify memory, up to 30 readings.
3. Press the ON/OFF button for 3 seconds. Otherwise, wait for one minute to exit the Memory Mode.

## Feverline Indicating Technology

At the completion of each measurement, the triangular arrow on the display will indicate a temperature range, pointing to the red, yellow, or green circle. Please refer to temperature legend below.

Colour Indicator

For example:

	← $T \geq 37.8^\circ\text{C}$ ( $T \geq 100.0^\circ\text{F}$ )
	← $37.3^\circ\text{C} \leq T < 37.8^\circ\text{C}$ ( $99.1^\circ\text{F} \leq T < 100.0^\circ\text{F}$ )
	← $35.8^\circ\text{C} \leq T < 37.3^\circ\text{C}$ ( $96.4^\circ\text{F} \leq T < 99.1^\circ\text{F}$ )



Note: If temperature below  $35.8^\circ\text{C}$  ( $96.4^\circ\text{F}$ ), the triangular arrow will not display.

## °C/°F Switchable

Temperature readings are available in Celsius or Fahrenheit (located in the upper right corner of LCD).

The **Accuflex®10** has been set to Celsius readings by default. To switch the reading mode to Fahrenheit, turn the device off. Then press and hold the On/Off button for approximately 3 seconds to change the current setting.

## Cleaning and Disinfection Instructions

Before and after each use, wipe the thermometer with a soft clean cloth and 75% Ethanol or Isopropyl alcohol.

### To prevent damage to the thermometer:

1. The unit must not be sterilized by boiling, gas, or steam
2. Do not immerse or soak in either alcohol or hot water over  $50^\circ\text{C}$  or  $122^\circ\text{F}$
3. Do not use ultrasonic washing to clean the thermometer
4. Do not use benzene, thinner, gasoline or other strong solvents to clean the thermometer

For stubborn stains, wipe the thermometer with a clean cloth that has been dampened with water or a neutral detergent solution. Finish by wiping with a soft dry cloth.

The use of any other solution or cleaning method beyond the above noted instructions may result in reliability issues and voids warranty.

## General Care

1. Clean the thermometer before and after each use.	5. Avoid dropping the thermometer or subjecting it to strong shock.
2. Store the unit in its protective case when it is not in use.	6. Do not attempt to disassemble the unit.
3. Do not bite the probe.	7. The thermometer should only be used under the supervision of an adult.
4. Do not store the unit where it will be exposed to direct sunlight, dust or humidity. Avoid extreme temperatures.	

## Troubleshooting

Error Message	Problem	Solution
Lo	Temperature reading is lower than $32^\circ\text{C}$ ( $89.6^\circ\text{F}$ )	Turn off thermometer, wait one minute and take a new reading following User Guide
Hi	Temperature taken is higher than $42.9^\circ\text{C}$ ( $109.2^\circ\text{F}$ )	Turn off thermometer, wait one minute and take a new reading following User Guide
Err	The thermometer is not functioning properly	If this message appears, contact the A.M.G. Medical Customer Service Team at: <b>1-800-363-2381</b>
	Battery icon is flashing	Replace battery immediately

## Battery Replacement

1. Replace battery when "" appears in the lower right corner of LCD display
2. Pull battery cover off as shown in Figure 2
3. Gently pull out plastic circuit board with battery chamber approximately 1 cm (slightly less than 1/2"). See Figure 3
4. Use pointed object such as a pen to remove old battery. Discard battery lawfully. Replace with new 3.0V DC CR2032  
Be sure battery is installed with "+" polarity facing up. See Figure 4
5. Slide battery chamber back into place and reattach cover

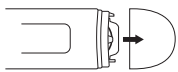


Figure 2

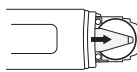


Figure 3

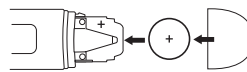


Figure 4

## Disposal

Disposal of this product should be carried out in accordance with local regulations for the disposal of electronic products.

## Product Specifications

Type	Digital Thermometer
Measure Range:	$32.0^\circ\text{C} - 42.9^\circ\text{C}$ ( $89.6^\circ\text{F} - 109.2^\circ\text{F}$ )
Accuracy:	$\pm 0.1^\circ\text{C}$ ( $\pm 0.2^\circ\text{F}$ ) during $35.5^\circ\text{C} - 42.0^\circ\text{C}$ ( $95.9^\circ\text{F} - 107.6^\circ\text{F}$ ) at $18^\circ\text{C} - 28^\circ\text{C}$ ( $64.4^\circ\text{F} - 82.4^\circ\text{F}$ ) ambient operating range $\pm 0.2^\circ\text{C}$ ( $\pm 0.4^\circ\text{F}$ ) for other measuring and ambient operating range
Display:	Liquid crystal display, 3 1/2 digits
Memory:	30 Readings
Battery:	One 3.0V DC Button Battery Type CR2032
Battery Life:	Approximately 200 hours of continuous operation or 1 year with 3 measurements per day
Dimension:	14.3 cm x 2.5 cm x 1.4 cm (L x W x H)
Weight:	Approximately 20 grams including battery
Expected Service Life:	Three years
Ambient Operating Range:	Temperature: $5^\circ\text{C} - 40^\circ\text{C}$ ( $41^\circ\text{F} - 104^\circ\text{F}$ ) Relative Humidity: 15%–95%RH Atmospheric Pressure: 700Pa – 1060Pa
Storage and Transportation Condition:	Temperature: $-20^\circ\text{C} - 55^\circ\text{C}$ ( $-4^\circ\text{F} - 131^\circ\text{F}$ ) Relative humidity: 15% – 95%RH Atmospheric Pressure: 700 Pa – 1060 Pa
Ingress Protection Rating:	IP 27
Classification:	Type BF

	Direct Current		Batch Code
	Type BF Applied Part		Manufacturer
	Consult Accompanying Documents		Storage and Transportation Temperature Limit: $-20^\circ\text{C} - 55^\circ\text{C}$ ( $-4^\circ\text{F} - 131^\circ\text{F}$ )

This device conforms to the following standards: ASTM E1112 standard specification for electronic thermometer for intermittent determination of patient temperature, ISO IEC 60601-1 – Medical electrical equipment – Part 1: General requirements for basic safety and essential performance. 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 EC 60601-1-2(EMC), AAMI/ANSI/ES60601-1 (Safety) standards. The manufacturer is ISO 13485 certified.

## Limited Warranty

The **Physio Logic® Accuflex®10** Thermometer is guaranteed for one year from the date of purchase. If the thermometer does not function properly due to defective components or poor workmanship, we will repair or replace it free of charge. All components are covered by this warranty excluding the battery. The warranty does not cover damages due to improper handling of this thermometer. To obtain warranty service, an original or copy of the sales receipt from the original retailer is required.