ENGLISH

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I. ABOUT BODY TEMPERATURE

It is a common myth that 98.6°F (37°C) is the "normal body temperature." The truth is that 98.6°F (37°C) is an average body temperature. Normal body temperature is actually a range that varies with age, gender, and measurement site. Body temperatures also fluctuate through out the day, typically cooler temperatures in the morning, warmer in the afternoon, and cooling down again in the evening. Other factors that can influence body temperature are: the patient's recent level of activity, metabolism rate, or medications. Normal body temperatures also tend to decrease with age.

Please see the chart below for normal temperature ranges by patient age and site. Readings from different body sites, even when taken at the same time, should not be directly compared; body temperatures will vary by site.

Temperature Site	Normal Body Temperatures by Patients Age			
	0-2 Years	3-10 Years	11-65 Years	>65 Years
Ear	97.5°- 100.4°F	97.0°- 100.0°F	96.6° - 99.7°F	96.4° - 99.5°F
	36.3°- 38°C	36.1°- 37.7°C	35.8° - 37.6°C	35.7°- 37.5°C
Oral	-	95.9° - 99.5°F 35.3°- 37.5°C	97.6° - 99.6°F 36.7°- 37.8°C	96.4° - 98.5°F 35.7°- 36.9°C
Core	97.5° - 100.0°F	97.5° - 100.0°F	98.2° - 100.2°F	96.6° - 98.8°F
	36.3°- 37.7°C	36.3°- 37.7°C	36.7°- 37.8°C	35.8°- 37.1°C
Rectal	97.9° - 100.4°F	97.9°- 100.4°F	98.6° - 100.6°F	97.1° - 99.2°
	36.6°- 38°C	36.5°- 38°C	37°- 38.1°C	36.1°- 37.3°C
Axillary	94.5° - 99.1°F	96.6° - 98.0°F	95.3° - 98.4°F	96.0° - 97.4°F
	34.7°- 37.2°C	35.8°- 36.6°C	35.1°- 36.8°C	35.5°- 36.3°C

References:

Chamberlain, J, Terndrup, T., et al. (1995) Determination of Normal Ear Temperature with an Infrared Emission Detection Thermometer. Annals of Emergency Medicine, Volume 25, Issue 1, Pages 15-20

Braim. S., Preston, P., and Smith, R. (1988) Getting a better read on thermometry. RN. 1998 Mar; 61(3):57-60

Munk, P, Woods, S, Leduc, D., et al Canadian Paediatric Society Statement; Temperature Measurement in Paediatrics; Paediatric Child Health Vol 5 No 5: July/August, 2000

Brunner, L. and Suddarth, Dl, et.al. (1982) The Lippincott Manual of Nursing Practice, Third Edition; J. B. Lippincott Company, Philadelphia, PA; 1982; p.1145

Houdas, Y. and Ring, E. F. J.. Human Body Temperature, Its Measurement and Regulation; Plenum Press, NY, 1982; p.81-87.

II. GENERAL INFORMATION

- 1. The FILAC™ 3000 electronic thermometer is a fast, highly accurate, and easy to use clinical instrument for measuring patient temperatures by Oral, Axillary or Rectal means.
- 2. The electromagnetic compatibility of this device has been verified by test according to the EN60601-1-2:2005 requirements.
- This device requires no user maintenance other than periodic cleaning and replacement of expired batteries.

Features

• Fast temperature measurements

Standard Mode - 6-10 second oral, 10-15 second axillary/rectal

Quick Mode - 3-4 second oral, 10-15 second axillary/rectal

Cold Mode - 12-15 second oral, 15-20 second axillary/rectal

- Measurement range: 30°C to 43°C (86°F to 109°F)
- Push button alternates Celsius/Fahrenheit scale
- Audible indication of completion ("beep" sound)
- Interchangeable, color-coded isolation chambers with matching probes.
 Helps keep probe covers and probes together for aiding in infection control (Blue -oral/axillary; Red -rectal)
- Easily wiped clean
- Uses four standard disposable "AA" batteries
- "Auto-On" when probe is withdrawn from the probe well
- "Auto-Off" conserves battery life
- Low Battery and Dead Battery indicators
- Last temperature Recall



Electronic Thermometer

- 15, 30, 45 and 60 second pulse Timer
- Easily accessible probe cover box
- · Easy to read LCD display with backlight
- Cold Mode lower pre-heat temperature option provides quicker, accurate readings for post-OR patients
- Theft prevention lock out and anti-theft accessories

III. SAFETY AND WARNINGS

Caution: Federal law (USA) restricts this device to sale by or on the order of a physician.

- 1. Read this booklet thoroughly before using the FILAC 3000 electronic thermometer.
- 2. Do not use this device near flammable anesthetics. Not suitable for use in the presence of flammable anesthetic mixture with air, oxygen or nitrous oxide.
- 3. Do not use this thermometer without first installing a new FILAC 3000 electronic thermometer probe cover.
- 4. Use only FILAC 3000 electronic thermometer probe covers with this device. Use of any other probe cover will result in erroneous temperature readings.
- 5. The device and probe covers are Non-sterile. Do not use on abraded tissue.
- 6. To limit cross contamination, use Blue devices for Oral and Axillary temperature taking only.
- 7. Use RED devices only for RECTAL temperatures.
- 8. Thoroughly dry all electrical contacts on both probe and thermometer after washing, or device may fail to function properly.
- 9. For re-calibration, service or integrity checks, refer to a qualified Biomedical Technician or return to manufacturer.
- 10. Do not open unit. No user-serviceable parts inside. Opening of device may affect calibration and voids warranty.
- 11. Disposal of used probe covers must be performed in accordance with current medical practices or local regulations regarding disposal of infectious, biological medical waste.
- 12. Removal of the batteries is recommended if the unit is not going to be used for an extended period of time.
- 13. Dispose of batteries in a manner consistent with local environmental and institutional policy for Lithium or Alkaline battery disposal.
- 14. Dispose of old battery-powered electronic equipment in a manner consistent with institutional policy for expired equipment disposal.
- 15. Cleaning frequency and practices must be consistent with institutional policy for cleaning of non-sterile devices.
- 16. Device to be used by trained personnel.

NOTE:

Even though this device has been designed to minimize the effects of electromagnetic interference, it does generate radio frequency energy. If not used in accordance with the instructions, the device could cause interference in other equipment operating within its vicinity. If the device is causing interference, the following actions may be taken in an attempt to correct the interference:

- Re-orient or re-locate the receiving device.
- Increase the separation between the devices.
- Consult a customer service representative.

IV. ICON IDENTIFICATION



Type BF EquipmentDegree of protection against electrical shock – no conductive connection to the patient







See Accompanying Documents



FILAC™ 3000AD/ADA 2 Electronic Thermometer



ORAL Temperature Mode Works only with BLUE probe and isolation chamber



AXILLARY
Temperature Mode
Works only with BLUE probe
and isolation chamber



RECTAL
Temperature Mode
Works only with RED probe
and isolation chamber



Install/Remove Probe Cover Flashing probe cover reminder to install probe cover prior to use and remove cover after use



Out of Range - High Temperature measurement is above 109°F (43°C)



Out of Range - Low Temperature measurement is below 86°F (30°C)



Low BatteryBattery voltage is low – replace batteries as soon as possible



Dead BatteryUnit will not operate until new batteries are installed



Progress Bar Temperature measurement status indication



°C/°F Button
Use to change temperature scale



Site ButtonUse to change measurement location



Pulse Timer ButtonUse to start and stop pulse timer



Quick ModeFast predictive measurement mode – displays temperature measurement in 3.5 seconds



Cold ModePost-operative mode.
Pre-heat temperature of 91°F
(33°C)



Direct ModeNon-predictive temperature measurement mode



Return to Base Return unit to Anti-theft base to clear anti-theft lock out feature



Pulse Timer 15 or 30 second timer



The FILAC 3000 Electronic Thermometer is a reliable and accurate temperature taking device. The accuracy of the FILAC 3000 Electronic Thermometer is derived from the design, controlled calibration methods, and stringent manufacturing controls. One of the most critical parts of the thermometer is the FILAC 3000 ACCUSYSTEM√ probe cover produced by Tyco Healthcare Group LP. When placed on the FILAC 3000 Electronic Thermometer probe, the probe cover serves as an infection control barrier between the patient and the device and acts as a medium for heat transmission from the patient to the thermometer. The functionality of the FILAC 3000 ACCUSYSTEM√ probe cover is extremely important for preventing device contamination and for allowing accurate patient temperature measurements.

The reason the FILAC 3000 Electronic Thermometer and FILAC 3000 ACCUSYSTEM√ probe covers have satisfied our customers' expectations is due to the integration of these two parts during the manufacturing process. The probe cover molding process parameters are tightly controlled at Tyco Healthcare Group LP to minimize variation and produce consistent, reliable products.

The special grades of thermoplastic materials are also tightly controlled and are specifically chosen to deliver consistent temperature measurements with FILAC 3000 Electronic Thermometers. The factory calibration and final acceptance determination of a FILAC 3000 Electronic Thermometer is dependent on the use of Tyco Healthcare Group LP produced FILAC 3000 ACCUSYSTEM√ probe covers. The use of generic probe covers or other probe covers not produced by Tyco Healthcare Group LP is not supported or sanctioned by Tyco Healthcare Group LP. The use of unauthorized probe covers could jeopardize the accuracy of the FILAC 3000 Electronics Thermometer. Check your probe cover carton for the ACCUSYSTEM√ logo to be certain that your thermometer will deliver an accurate temperature every time it is utilized.

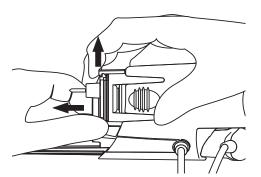
V. INSTRUCTIONS FOR USE

Probe Covers — Applying & Removing

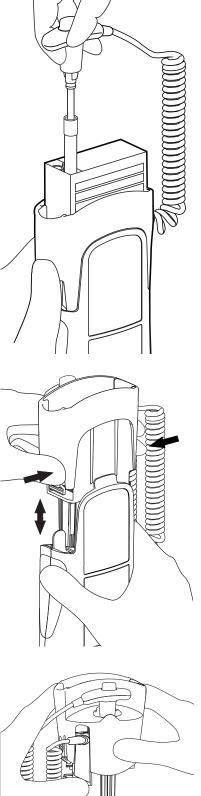
- Open probe cover box by lifting tab at top corner and pulling to remove top panel.
- Insert box of probe covers into top of isolation chamber. (To aid infection control, never switch boxes between blue and red isolation chambers. Also, never switch probes between blue and red isolation chambers. Keep like colors together.)
- Remove probe from the probe well. This automatically turns on the thermometer.
- To help remind the user to apply or remove a probe cover, a probe icon with flashing probe cover will be displayed when the probe is withdrawn from the probe well and following a completed temperature measurement.
- Insert the probe end into a cover in the box. Push the handle firmly until you feel the cover "snap" into place.
- Take appropriate temperature measurement (oral, axillary or rectal).
- 7. Eject the used cover into bio-waste container by pressing top button.
- Remove, discard and replace box when empty.

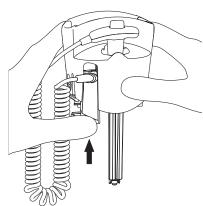
Changing Isolation Chambers and Probes

- For aiding in infection control, use only the Blue probe and Blue isolation chamber for Oral and Axillary temperature taking. The Red probe and Red isolation chamber must only be used for Rectal temperature taking.
- Do not attach a Red probe to a Blue isolation chamber or vice-versa.
- To remove or replace any isolation chamber/probe assembly, grasp the isolation chamber from each side as shown.
- Squeeze inward releasing the snaps and slide the isolation chamber up to pull off.
- 5. To replace, align probe well finger with opening in the top of the unit.
- Slide the isolation chamber down until the side snaps "click" into place.
- The probe is connected to the thermometer automatically. 7.
- To change probes, remove the isolation chamber as described previously.



- 9. Grasp the sides of the L-shaped connector piece with one hand and then using other hand pull backward on the latch holding the end of the L-shaped connector.
- 10. Once free of the latch, slide the L-shaped connector out of isolation chamber.
- 11. To replace, properly align the top of the L-shaped connector to the slot on the back of the isolation chamber.
- 12. Then slide the connector up into the slot pressing firmly on the bottom of the connector until it "clicks" into place.

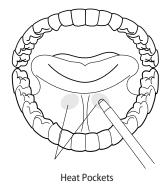




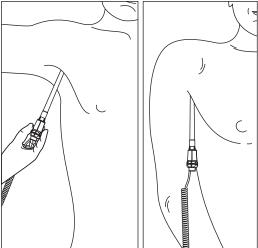
Oral & Axillary Temperature Taking

- 1. Make certain that the Blue isolation chamber/probe unit is attached.
- 2. Withdraw probe and apply a probe cover. The thermometer turns on automatically.
- 3. An icon identifying Oral or Axillary mode is displayed. The Rectal icon can not be displayed when a blue isolation chamber/probe is attached.
- 4. Press the Site button on the front panel to select either the Oral or Axillary mode.
- 5. For Oral temperatures, insert the probe tip deep into the sublingual pocket next to the frenulum linguae, (vertical fold of tissue in middle of tongue), on one side or the other, toward the back of the mouth.

Note: Accurate body temperature readings can only be obtained in one of these two "heat pocket" locations as shown. Temperatures taken in other mouth locations will result in inaccurate body temperature readings.

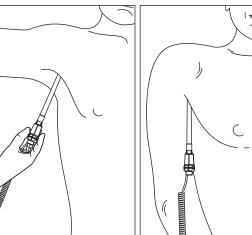


- 6. Patient's mouth must be CLOSED.
- 7. Securely hold the probe in place until the temperature is displayed.
- 8. For Axillary temperatures, have the patient raise the arm, then place the probe tip in the axilla. Press gently to assure good contact. For the most accurate temperature the probe tip should be placed directly against the patients skin.
- Have the patient then lower the arm and remain as still as possible. Hold the probe parallel to the arm as shown.
- 10. If two short beeps are heard, it means the unit switched to Direct (slow) mode for this temperature only.
- 11. A "long beep" is sounded when measurement is complete and the final temperature is displayed.
- 12. To change between Celsius and Fahrenheit scales, press the °C/°F button. Press again as needed.
- 13. Eject the used cover into a bio-waste container by pushing top button.
- 14. After returning the probe to the probe well, the temperature is stored for recall until the probe is once again withdrawn. If the probe is returned to the probe well before the "long beep" is heard, no temperature will be stored for the recall function.



Rectal Temperature Taking

- 1. Make certain that the Red isolation chamber/probe unit is attached.
- Withdraw the probe and apply a probe cover. Thermometer turns on automatically.
- 3. An icon identifying Rectal mode is always displayed provided the Red isolation chamber/probe assembly is attached. Pressing the Site button on the front panel to change modes has no effect.
- 4. Apply lubrication if desired.
- 5. Insert the probe into the patient's rectum. To ensure proper tissue contact, angle the probe slightly after insertion.
- 6. Depth of insertion is recommended at 1/2" to 3/4" (12 mm 19 mm) for adults and 1/4" to 1/2" (6 mm 13 mm) for children.
- If two short beeps are heard, it means the unit switched to Direct (slow) mode for this temperature only.
- 8. A "long beep" is sounded when measurement is complete and the final temperature is displayed.
- To change between Celsius and Fahrenheit scales, press the °C/°F button. Press again as needed.
- 10. Eject the used cover into a bio-waste container by pushing top button.
- 11. After returning the probe to the probe well, the temperature is stored for recall until the probe is once again withdrawn. If the probe is returned to the probe well before the "long beep" is heard, no temperature will be stored for the recall function.



Direct Mode

- 1. The FILAC 3000 electronic thermometer normally operates in Predictive mode for accurate temperature measuring. In certain cases, such as with a hypothermic patient, the thermometer will automatically shift to Direct (slow) mode and will then act as a temperature monitor.
- 2. The FILAC 3000 electronic thermometer can be set to operate exclusively in Direct mode (disable Predictive mode). See instructions within the Bio-Tech Mode section for information on how to lock Direct mode on.
- 3. In Direct mode the device may require up to 60 seconds to reach equilibrium and display patient temperature.
- 4. A turtle icon will be continuously displayed whenever the thermometer is functioning in Direct mode.
- 5. To change between Celsius and Fahrenheit scales, press and release the °C/°F button. Press and release again as needed.
- 6. An Up or Down arrow will appear on the display whenever the current temperature reading is out of range, either High or Low, respectively.
- 7. The Direct mode auto feature is always functional regardless of Red or Blue isolation chamber/ probe.
- 8. A "long beep" is sounded when measurement is complete and the final temperature is displayed.
- 9. After returning the probe to the probe well, the temperature is stored for recall until the probe is once again withdrawn. If the probe is returned to the probe well before the "long beep" is heard, no temperature will be stored for the recall function.

Quick Mode

- 1. Quick Mode is provided for more rapid, time consistent, oral temperature predictions. This mode is indicated by a rabbit icon on the display. In this mode, a temperature measurement prediction is provided in approximately 3.5-4 seconds.
- 2. See instructions within the Bio-Tech Mode section to turn this feature On or Off.
- 3. Quick Mode is not available with Axillary or Rectal Body Sites, with Cold Mode, or when in Direct Mode.

Cold Mode

- 1. Cold Mode is provided for use in applications where body temperatures may be lower than normal, such as for patients recently out of surgery.
- 2. See instructions within the Bio-Tech Mode section to turn this feature On or Off.
- 3. When selected, as indicated by the snowflake on the display, the probe preheats to 91°F (33°C). All other functions are unchanged.
- 4. Cold Mode is not available with Quick Mode or when in Direct Mode.

Recall Last Temperature

- 1. After each temperature measurement, a "long beep" is heard. The "beep" indicates the temperature measurement has been completed and stored and is available for recall. This temperature can be recalled after the probe is returned to the probe well.
- 2. To recall the most recent temperature measurement, press and release °C/°F button on the front panel. The last measurement taken will appear for several seconds.
- 3. While the recalled measurement is displayed, the user may press and release the °C/°F button again to change between the Celsius and Fahrenheit scales.
- 4. Withdrawing the probe from the probe well erases last temperature memory.
- 5. If the most recent temperature measurement was incomplete or out of range, dashes will appear on the display during the recall operation.

Pulse Timer Mode

- 1. The FILAC 3000 electronic thermometer may also be used to help measure a patient's pulse rate.
- 2. To access, do not remove probe from the probe well.
- 3. Press and release the Timer button on the front panel. The Clock icon and 0.0 will be displayed.
- 4. Press and release the Timer button a second time to start the timer and elapsed time display.
- 5. A "beep" is sounded at 15 seconds, 2 beeps at 30 seconds, 1 beep at 45 seconds and 2 beeps at 60 seconds. The count stops at 60 seconds.
 - Pressing the Timer button again will shut the unit off.
- 6. The Timer mode will turn off automatically, 5 seconds after stopping at 30 or whenever the probe is removed from the probe well.

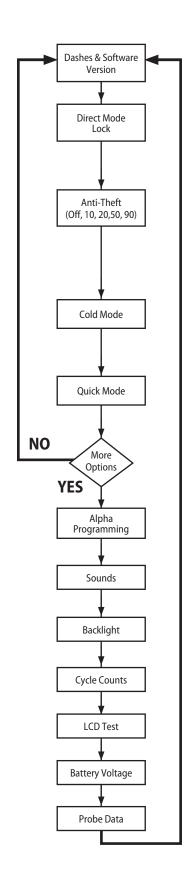


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Bio-Tech Mode (Option Configuration Menu)

- 1. To enter Bio-Tech mode, the thermometer must be in sleep mode (probe securely in place with blank screen).
- 2. Press and hold the Site and °C/°F buttons at the same time for 4 seconds. A "beep" is heard and a dash scrolls in the display. The software version of the device will be shown in the alpha-numeric section of the display
- 3. The thermometer is now in Bio-Tech mode. To navigate the Bio-Tech mode menu, follow the chart below.
- 4. The Pulse Timer button is used to move forward through the different configuration options. °C/°F button is used to change an option configuration.
- 5. To exit Bio-Tech mode and resume normal operation, press the Site and °C/°F buttons at the same time and hold for 1 full second. Last settings are saved.
- 6. Bio-Tech mode also exits automatically after 20 seconds of inactivity. The last settings are saved.





What You See or Hear	Option Configuration		
X, YZ with moving dash	No Function		
DIR with Blinking	ON	OFF	
THEFT with Blinking	20 🔀	OFF ON ON ON	
COLD with Blinking	ON	OFF	
FAST with Blinking	ON	OFF	
MORE	ON	OFF	
8 programmable characters, selected alpha-numeric characters blinking	Step to next character location*		
"Beep" with Beeper Beeping Continuously	ON	OFF	
LIGHT with Backlight Blinking Continuously	ON ON	OFF	
A number indicating amount of times the unit has been turned on in preparation for a measurement	No Function		
LCD Test	Start test••		
A. BC V	No Function		
PROBE SN	View Serial Number		

- $\label{thm:configuration} The \ Pulse \ Timer \ button \ is \ used \ to \ move \ forward \ through \ the \ different \ configuration \ options.$ Press the °C/°F button to step to next character location

Press the Site button to return to the initial LCD Test screen $\,$

VI. CLEANING AND STERILIZATION

- 1. The entire device may be easily wiped clean. Water temperature should not exceed 130° F (55° C). Do not submerge or soak under water.
- A mild detergent may be added to water. Use of cleaners such as Spray Nine^{™*}, Phisohex^{™*}, Hibiclens^{™*}, or Vesta-Syde^{™*}
 Cidex^{™*} may result in damage to the thermometer case.
- 3. Use of 10:1 water and hypoclorite mixture or a damp isopropyl alcohol wipe occasionally, is acceptable. Prolonged and repeated use of these chemicals may result in damage to the thermometer case and display area.
- Use of a cloth or sponge is recommended for cleaning. Abrasive pads may result in damage to the thermometer case and display area.
- This thermometer is provided non-sterile. DO NOT use ethylene oxide gas, heat, autoclave, or any other harsh methods to sterilize this unit.
- 6. Isolation chambers may be replaced inexpensively instead of cleaning.
- 7. After cleaning the unit, shake the probe handle to drain out any excess solution. Thoroughly dry the electrical contacts on both probe and thermometer.

VII. BATTERY REPLACEMENT / INSTALLATION

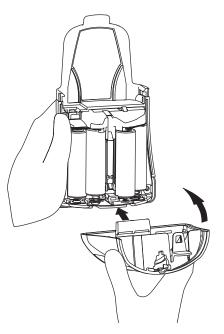
- 1. To access the batteries, remove the isolation chamber by depressing the tabs on the sides of the unit and slide off upwardly.
- 2. Pull back on the finger tab on the top of the battery door. The battery door should hinge open to expose the batteries.
- The batteries may be removed by pressing firmly on the positive end (opposite the compressed spring) and lifting up.
- Be certain to dispose of used batteries in a manner consistent with local environmental and institutional policy for lithium or alkaline battery disposal.
- 5. To install new batteries, place the negative end on the spring. Press down firmly to compress spring and tilt battery into place.
- 6. To replace the battery door, insert the tab on the bottom of the door into the slot on the bottom of the unit to create a hinge. Swing the top half of the door upwards pressing firmly on the top of the door until the small tab on the main unit "clicks" into the catch on the battery door.
- 7. Reinstall isolation chamber with probe attached.

VIII. MOUNTING INSTRUCTIONS

- 1. To mount the FILAC 3000 electronic thermometer onto any vertical surface, a convenient mounting base is provided.
- 2. For hollow wall mounting, locate a stud and use the 2 screws provided. If mounting between studs, substitute 2 standard hollow wall anchors.
- 3. Rolling stand mounting brackets and pole clamps are also available for this device.

IX. ANTI-THEFT FEATURES & OPTIONS

- 1. The FILAC 3000 electronic thermometer is equipped with an electronic system that deters casual theft by disabling the thermometer after a preset number of temperatures have been taken.
- 2. A FILAC 3000 electronic thermometer Mounting Base is required in order for this option to function.
- 3. To reactivate the thermometer it must be momentarily returned to any FILAC 3000 electronic thermometer Mounting Base when indicated by a displayed icon.
- 4. The anti-theft option is normally disabled as shipped from the factory.
- 5. Key-locking is also possible where a more positive anti-theft deterrent is desirable.



X. **TROUBLESHOOTING**

- If device fails to function properly after washing & reconnecting probe, rinse all contacts in de-ionized water and blow dry.
- Icons indicate all other possible errors and remedies.
- **Device Error Codes:**
 - E01 System error during synchronization
 - E02 System error during patient thermistor calibration
 - E03 System error during heater thermistor calibration
 - E04 System timing error
 - E05 Heater error
 - E06 LCD communication error
 - E07 Shut off error
 - P01 Probe configuration (or no probe connected) error
 - P02 Direct Mode patient thermistor unstable or out of range
 - P03 Direct Mode heater thermistor unstable or out of range
 - P04 Predict Mode patient thermistor unstable or out of range
 - P05 Predict Mode heater thermistor unstable or out of range
 - P06 Unable to pre-heat probe tip
- 4. No user-serviceable parts inside.
- Refer to a factory or qualified Biomedical Technician for service.

XI. SPECIFICATIONS

UL LISTING



47DA

Medical Equipment

FILAC 3000 electronic thermometer

Classified with respect to electrical shock, fire, and mechanical hazards only in accordance with UL60601-1 Classified with respect to electrical shock, fire, and mechanical hazards only in accordance with

CAN/CSA C22.2 NO.601.1

Dimensions (Approximate, without base): Dimensions (Approximate, with base): Weight (Approximate, without base): Temperature Measurement Range:

Ambient Operating Temperature Range:

in.- 3.2 W x 6.0 H x 2.1 D ; mm - 84 W x 152 H x 56 D in.- 4.1 W x 7.5 H x 3.1 D; mm - 105 W x 190 H x 79 D

13.5 Ounces; 385 Grams 30°C to 43°C; 86°F to 109°F

10°C to 40°C; 50°F to 104°F, at 10% - 95% RH, non-condensing.

Average prediction times

(after insertion into measurement site):

Quick mode: less than 4 seconds Standard mode: less than 6 seconds

Typical times for switch to Direct Mode:

If no measurement site detected: 60 seconds (after pulling probe from probe well) 70 seconds (after measurement site insertion) If temperature does not stabilize:

Pulse Timer:

60 Second count with a "beep" at 15 seconds, 2 "beeps" at 30 seconds, 1 "beep" at 45 seconds

and 2 "beeps" at 60 seconds

Water Bath Accuracy (35.5°C to 42.0°C):

Direct Mode: ±0.1°C Standard Prediction Mode**: ±0.1°C Quick Prediction Mode (Oral Only)**: ±0.3°C

^{**}Greater than 95% of the prediction mode readings will be within the specified accuracy.

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Patient Accuracy: In standard predict mode, thermometer accuracy meets EN 12470-3

A Standard Prediction Mode reading and a Direct Mode reading will differ by

less than ± 0.2 °C (± 0.4 °F) on 98% of tested patients

Batteries: Four "AA" Required. Standard IEC package size. Alkaline – 1.5 Volt

Approximately 6000 temperature readings.

Probe: Replaceable

For probe integrity/safety checks, refer to qualified Biomedical Technician or return to Kendall.

Isolation Chamber: Removable, replaceable, washable, Polycarbonate-polyester blend.

Device Materials:

Thermometer Case:
Isolation Chamber:
Probe Handle:

Flame retardant Polycarbonate/Polyester Blend
Flame retardant Polycarbonate/Polyester Blend
Flame retardant Polycarbonate/Polyester Blend

Probe Shaft: Flame retardant Polyester

Probe Cable: Polyurethane jacket with TPE over mold

Tip: Aluminum

ALL MATERIALS ARE LATEX FREE.

Type of Protection Against Electrical Shock: Internally Powered Equipment.

Degree of Protection Against Electrical Shock: Type BF

Mode of Operation: Continuous Use . Intended for hand held use.

Degree of Safety of Application in the Presence: Not suitable for use in the presence of flammable anesthetic mixture with air, oxygen or nitrous oxide.

Transport and Storage: Not to exceed 30 days

Transport and store this device between temperatures of -25°C to 55°C (-13°F to 131°F).

Relative humidity range should be between 10%-95% RH, non-condensing.

Return unit to the factory if the device is dropped and performance appears degraded, or in the event that the environmental conditions for transport, storage and operation are exceeded.

The FILAC 3000 electronic thermometer is in compliance with the following International Regulatory and Safety standards:

UL60601-1

CAN/CSA C22.2 No. 601-1 EN60601-1:2005 EN60601-1-2:2005 EN 12470-3:2000 MDD 93/42/EEC BS EN980:1997 ASTM E 1112: 2006

XII. CUSTOMER SERVICE

The circuitry of the FILAC 3000 electronic thermometer is not customer serviceable. In particular, electronic assembly re-work will likely affect accuracy. Certain replacement items such as probes and isolation chambers are available from the service centers listed below.

All service personnel must be properly trained, qualified and familiar with operation of the thermometer. Improper service may impair proper operation of the FILAC 3000 electronic thermometer.

A FILAC 3000 electronic thermometer Calibration Plug (reorder number 500099) is available to check accuracy of the FILAC 3000 electronic thermometer. It replaces the regular probe and verifies the accuracy of the main unit electronics. Replace the main unit if accuracy is deficient. Follow the instructions that accompany the FILAC 3000 electronic thermometer Calibration plug. Probe accuracy can be checked in any mode using a calibrated water bath.

A FILAC 3000 electronic thermometer should provide direct mode accuracy to within $\pm 0.1^{\circ}$ C of the calibrated water bath temperature. A FILAC 3000 electronic thermometer should have a standard predict mode accuracy within $\pm 0.1^{\circ}$ C of the calibrated water bath temperature.

A FILAC 3000 electronic thermometer should have a quick predict mode accuracy within $\pm 0.3^{\circ}$ C of the calibrated water bath temperature.

The probe cable connector is designed to exceed 1,000 insertions. Do not lubricate or solvent clean. Replace the probe if the connector is thought to be faulty.

FILAC™ 3000AD/ADA

Electronic Thermometer

In the event that it becomes necessary to return a unit for service, please follow these instructions:

- 1. Call the appropriate phone number listed below for an Authorized Return Number and shipping instructions.
- 2. Pack the instrument carefully and ship insured parcel to the appropriate location:

United States

Tyco Healthcare Group LP 98.6 Faichney Drive Watertown, NY 13601

Phone: 1-800-448-0190 or 315-788-5246

Canada

Tyco Healthcare Canada 7500 Trans Canadian Hwy Pointe-Claire, QC H9R 5H8 Phone: 1-877-6648926

Outside US & Canada

Tyco Healthcare Group LP 20 Garryduff Road Ballymoney, BT53 7AP, UK Phone: +44-28276-61719

To Order/Reorder/Replace device components and accessories, specify one or more of the following Reorder Numbers:

Probe Covers Case of 500 Reorder No. 500500 Case of 2,000 Reorder No. 502000

Note: Use of any other brand or style probe cover will result in erroneous temperature readings.

Complete Oral /Axillary Thermometer

Includes electronic thermometer with Blue - Oral/Axillary isolation chamber and Blue - Oral/Axillary probe, with 4-foot (1.2m) cord, and global manual on CD

 FILAC 3000EZ
 Reorder No. 504000

 FILAC 3000EZA
 Reorder No. 504003

 FILAC 3000AD
 Reorder No. 505000

 FILAC 3000ADA
 Reorder No. 505003

Complete Rectal Thermometer

Includes electronic thermometer with Red - Rectal isolation chamber and Red - Rectal probe, with 4-foot (1.2m) cord, and global manual on CD

 FILAC 3000EZ
 Reorder No. 504005

 FILAC 3000EZA
 Reorder No. 504008

 FILAC 3000AD
 Reorder No. 505005

 FILAC 3000ADA
 Reorder No. 505008

Isolation Chamber

Blue - Oral/Axillary Reorder No. 500028 Red - Rectal Reorder No. 500038

Probe (with 4-foot standard cord)

Blue - Oral/Axillary Reorder No. 500026 Red - Rectal Reorder No. 500036

Probe (with 9-foot standard cord)

Blue - Oral/Axillary Reorder No. 500027 Red - Rectal Reorder No. 500037

Calibration Plug Reorder No. 500099

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Status: Approved Doc#: AW10002310 Effective Date: nulldate

Mounting Base for Wall Reorder No. 500046

Mounting Base for Rolling Stand Reorder No. 500047

Mounting Base with Pole Clamp Reorder No.500048

Rolling Stand Reorder No. 303059

Rolling Stand Basket Reorder No. 8884813711

XIII. WARRANTY

LIMITED WARRANTY: Kendall, a Tyco Healthcare Group LP company, warrants to the original purchaser ("Customer") that this product will be free of defects in materials and workmanship, under normal use, for one (1) year from the date of original purchase from Kendall or its authorized distributor. If this product does not operate as warranted above during the applicable warranty period, Kendall may, at its option and expense, replace the defective part or product with a comparable part or product, repair the defective part or product, or, if neither replacement nor repair is reasonably available, refund to Customer the purchase price for the defective part or product. Dated proof of original purchase will be required.

Kendall does not assume any liability for loss arising from unauthorized repair, misuse, neglect, or accident. Removal, defacement, or alteration of serial lot number voids warranty. Kendall disclaims all other warranties, expressed or implied, including any implied warranty of merchantability or fitness for a particular purpose or application other than as expressly set forth in the product labeling.