

Welch Allyn Braun ThermoScan® PRO 4000 Inservice





MC12687

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Overview

Displayed Temperature Range: 68–108 °F (20–42.2 °C)

Age Range: Full-term newborn, pediatric, and adult patients

Fast and Accurate: Preheated probe for more accurate and faster readings. ExacTemp TM light to ensure proper, steady positioning

Safe: Probe cover eject button designed to reduce the risk of cross-contamination

Secure: Optional security features can reduce the occurrence of theft in hospital environments









Cleaning



Speculum tip

Clean with 70% or stronger isopropyl alcohol only, using a Q-tip® or equivalent



Lens Window

Gently wipe its surface with a cotton swab or cloth slightly moistened with alcohol and immediately wipe dry with a clean cotton swab or cloth. Allow at least 5 minutes drying time before taking temperatures

- Avoid touching the window except when cleaning required
- Only alcohol should be used to clean the window



Thermometer Body

Attach a probe cover to protect lens window
Use a soft cloth slightly moistened with **isopropyl alcohol**, **10% chlorine bleach**, or **standard hospital disinfectants** such as CaviCide®

 Disinfectants should be applied to the cloth to wipe down the unit and should <u>never</u> be sprayed directly on the device

Cleaning the Electrical Contacts

Clean charging dock, rechargeable battery and thermometer electrical contacts regularly.

- Every 3 months OR
- Any time the charging or communication performance between the thermometer and dock becomes erratic.
 - Ex. Incomplete charging or thermometer fails to transfer a reading







To clean electrical contacts

Use a cotton swab slightly dampened with isopropyl alcohol ONLY.

Probe Covers

Probe covers

- Are intended for <u>single use only</u>!
- Always use PRO 4000 disposable probe covers.
 - The new PRO 4000 probe covers can be used with all models of Braun ear thermometers.
 - Older version probe covers (i.e. those purchased for the PRO 3000) cannot be used with the PRO 4000. The result will be inaccurate readings.
- Damaged, perforated, or soiled covers can lead to inaccurate temperatures.
- The device will <u>not</u> take a temperature without a probe cover in place.



Tympanic Measurements



Remove the thermometer from the case and attach a new probe cover. The device turns on automatically.



Wait for the "ready" beep and place the probe snugly into the ear canal; correct probe placement is essential for accurate readings.



Press and release the Start Button. The thermometer will beep once. The green ExacTemp light above the Start Button flashes, indicating correct probe placement.



A long beep and a solid green ExacTemp light signals the end of an accurate measurement. Eject the used probe cover. For the next measurement, put on a new, clean probe cover.



If the probe is placed incorrectly or was moved while taking a temperature, the device beeps, the green ExacTemp light goes out and POS (Position Error) displays.

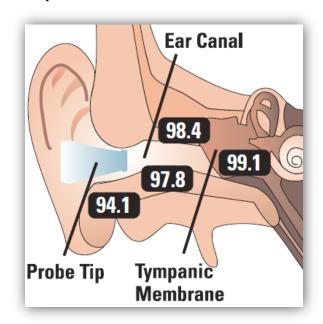


Press U button to recall the last temperature.



To change default temperature scale: With the device off, press and hold the \cup button for about 5 seconds. Release the \cup button when desired scale is shown. MC12687

Proper Probe Placement Guide





Interferences

DOES affect temperature accuracy

- A used probe cover
- Wet/dirty/damaged probe lens
- Hearing aid
- Lying on a pillow

For persons wearing **hearing aids** or in **extreme ambient temperatures**, remove the hearing aid or the individual from the situation and wait 20 minutes prior to taking a temperature.

DOES NOT affect temperature accuracy

- Presence of moderate amounts of cerumen (ear wax) in the ear canal
- Otitis media
- Tympanostomy tubes



Contraindications

- Do not use if there is blood or drainage in the external ear canal.
- **Do not** use if a patient exhibits symptoms of an acute or chronic inflammatory condition of the external ear canal.
- Not intended for pre-term babies or small-for-gestational age babies.
- Complete ear canal occlusion due to cerumen (ear wax) can result in lower temperature readings.
- Use the untreated ear if prescription ear drops or other ear medications have been placed in the ear canal.
- Patients who have deformities of the face and/or ear may not be able to have a temperature taken with an ear thermometer.

Error Messages and Solutions



No probe cover is attached – Attach new, clean probe cover.



(POS = position error) The infrared monitor cannot find a temperature equilibrium and allows no measurement — Clear the display by changing the probe cover. Ensure that the positioning of the probe is correct and remains stable.



Ambient temperature is not within the allowed operating range 50-104 °F (10-40 °C) or changing too rapidly — Allow the thermometer to remain for 30 minutes in a room where the temperature is between 50 and 104 °F / 10 and 40 °C.



System Error – Wait 1 minute until the thermometer turns off automatically, then turn on again. **If error persists** reset the thermometer by removing the batteries and putting them back in. **If error still persists** contact your Welch Allyn representative.



Battery is low, but thermometer will still operate correctly – Insert new batteries.



Battery is too low to take correct temperature measurements – Insert new batteries.

Base Station and Anti-Theft Function



Base Station

- Can be purchased separately
- Automatically recharges thermometer when using rechargeable batteries (included with base station)
- Has configurable anti-theft function
- Can be wall-mounted for convenient storage



Anti-Theft Function

- Requires returning the thermometer to the station within an individually pre-selected time
 - If not returned to the station, the thermometer will be locked
- When thermometer is in stand-by mode, it will show hours remaining before it is locked
- Configurable by Biomedical Engineering



3 ½ hours until thermometer locked

Memory Mode



The last temperature taken before the thermometer is turned off is stored in its memory and will be automatically displayed when it is turned on again. The display will show **MEM**.

After taking a new temperature, press the **mem** button to recall the last reading.



Temperature Scale

The PRO 4000 is shipped with the Fahrenheit temperature scale activated.

To switch to Celsius

- 1. Make sure the thermometer is turned off
- 2. Press and hold the **mem** button. After approximately 3 seconds, the display will show: **°F/SET/°C/SET...**
- 3. Release the **mem** button when **°C** is shown.
- 4. A short beep will confirm the new setting, and then it will automatically turn off. When turned on again, temperatures will be shown in Celsius.
- 5. Repeat the above process to switch it back to °F.







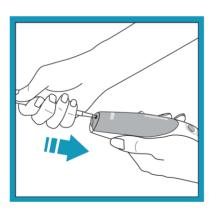
Batteries

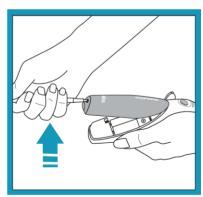
- Operates using two (2) AA batteries or optional rechargeable battery pack
 - Rechargeable batteries come with separately purchased base station
- Average battery life is 6 months or 1000 measurements





Rechargeable batteries





Battery Replacement

- 1. Open battery compartment using a pen
- Remove old batteries
- 3. Insert new batteries
- 4. Slide battery door back until it snaps in place

Resources

Thank you for choosing Welch Allyn

Customer Care: 1-800-535-6663

Website: www.welchallyn.com

