Braun ThermoScan® PRO 6000 Calibration Verification

Preparation

Store thermometers for testing in the same room as the 9600 Plus Calibration Tester for approximately 30 minutes prior to testing to allow for thermal acclimation.

1. Set the first calibration set point temperature (36 °C) on the 9600 Plus Calibration Tester (it takes approx. 20 minutes to heat).
2. Check the probe tip lens window for displacement. There should not be any gap in the seam formed between the bezel and the lens window. If there is a gap, the unit is damaged and must be replaced.
3. Gently wipe the probe tip with a cotton swab or cloth slightly moistened with isopropyl or ethyl alcohol only. Use care not to damage the probe window.
4. Place the Braun ThermoScan PRO 6000 in Calibration Mode using the following steps:
   a. With the thermometer in sleep mode, press and release °C/°F.
   b. IMMEDIATELY (while all segments of the LCD are illuminated during self-test) press and hold °C/°F and Mem
   c. After 5 seconds the thermometer will emit a long beep and Mem/C/F alternating with CAL.
   d. During the beep release Mem and °C/°F. The thermometer is now in Calibration Check Mode, indicated by CAL displayed on the screen for 0.25 seconds every second.
5. After entering calibration mode (CAL), wait 1 minute before taking the first temperature.

How to Perform the Calibration Verification

1. Apply a new probe cover. If applied properly a short beep sounds and the flashing probe cover icon will disappear from the display.
2. Wait for the screen to flash three dashes (- - -) alternating with CAL.
3. If you are using the Braun PRO 6000 calibration fixture, place the Braun PRO 6000 in the fixture as shown in the assembly instructions (material number 721533). If the Braun PRO 6000 calibration fixture is not used, place the probe firmly into the ear device port.
4. Firmly push the device down into the well to ensure perpendicularity and that the probe is fully seated in device port. Visually check to ensure proper alignment. Do not apply too much pressure once the device is firmly seated, as this may cause your hand to waiver and tilt or move the device during testing.
5. Wait 5 seconds, press the thermometer Measure button, and watch for the green ExacTemp® light to flash.

What you will need

- 9600 Plus Calibration Tester and (optional) Braun PRO 6000 Calibration Fixture*
- Power plug / socket
- MemC / F
- Stable ambient room temperature within the range of 18.3 °C – 26.7 °C
- Isopropyl or ethyl alcohol
- 1 min
- Tissue or cloth
- Timer / watch
- PRO 6000 devices that need to be checked

* A Braun PRO 6000 Calibration Fixture (material number 411690) is available for use with older 9600 Plus calibration testers where the dust cover screw might interfere with the proper alignment of the Braun 6000 in the ear device port. The older models have a dust cover screw that rises above the O-ring washer. Newer models have a dust cover screw that is recessed into the washer. When using the calibration fixture, follow the instructions provided with the fixture to install it to the calibration tester.

Leave the thermometer in the 9600 Plus Calibration Tester until the ExacTemp light stops flashing and you hear a beep.

Remove the PRO 6000 Thermometer from the 9600 Plus Calibration Tester and read the temperature in the thermometer’s display. If the temperatures are within ±0.2 °C, the thermometer is within calibration.

Replace the probe cover to reset the thermometer before taking the next measurement. Wait for the thermometer screen to flash three dashes (- - -) alternating with CAL.

The probe cover must be replaced with a new probe cover before each reading, to remove any residual heat absorbed from the 9600 Plus Calibration Tester.

Wait one full minute before taking another reading with the same thermometer.

Repeated measurements in short sequence may cause higher readings.

When using only one 9600 Plus Calibration Tester, test all available thermometers for calibration verification at the current calibration set point temperature before proceeding to the next calibration set point temperature.