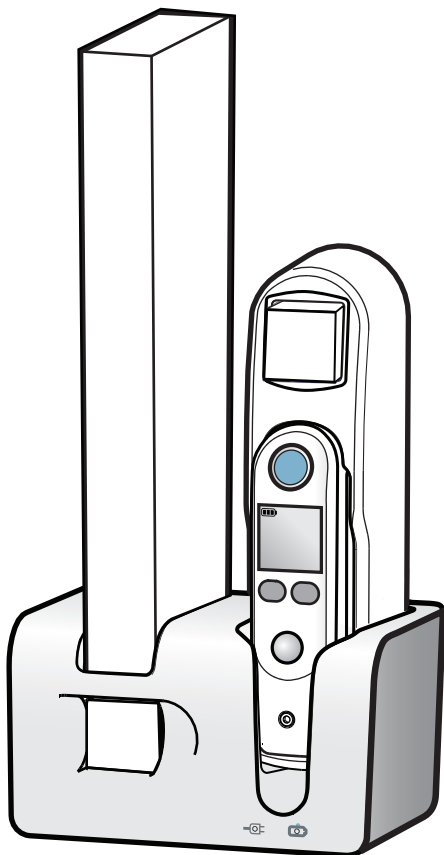


BRAUN

WelchAllyn®

ThermoScan®

Charging station
Directions for use



PRO 6000
Charging station

BRAUN**ThermoScan®**

PRO 6000 Charging station

This manual applies to **REF 901009** Accessory, Thermometry

Manufactured by:
Welch Allyn, Inc.
4341 State Street Road
Skaneateles Falls, NY 13153
USA

107983 (CD) DIR
80025533 Rev B
Revision Date: 2019-10



Welch Allyn Limited
Navan business Park
Dublin road,
Navan, County Meath
Republic of Ireland
C15 AW22

For information about any Welch Allyn product, contact:

Welch Allyn Technical Support:
www.welchallyn.com/support

visit locations:

www.welchallyn.com/about/company/locations.htm

Replacement parts

For a complete list of parts, go to www.welchallyn.com

For patent information, visit

www.welchallyn.com/patents

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Made in Mexico

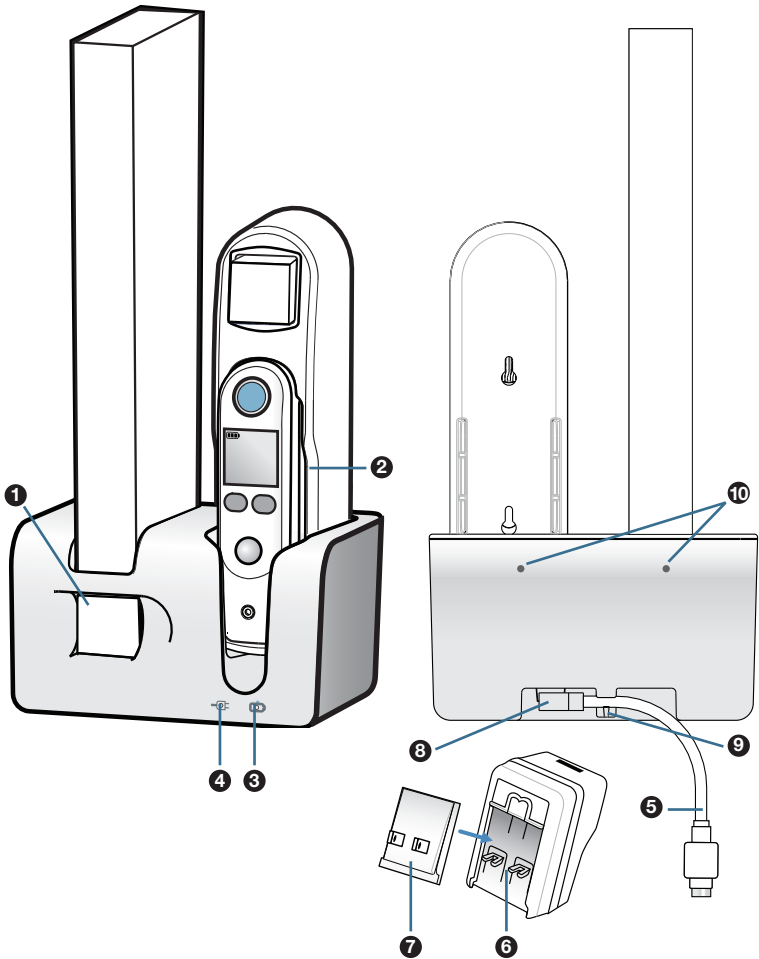
This product is manufactured under license to the 'Braun' trademark.
'Braun' is a registered trademark of Braun GmbH, Kronberg, Germany.

ThermoScan® is a registered trademark owned by Helen of Troy Limited.

Use only
Hillrom
probe covers



1. BraunThermoscan® PRO 6000 Charging station



2. Package components


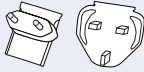


Braun ThermoScan® PRO 6000 Charging station

CD containing Directions for use, Welch Allyn Service Tool software (available via internet link) and Service Tool installation guide (available via internet link)

- 1 Rechargeable battery pack (NiMH)
- 1 Set of interchangeable wall plug(s)
- 1 Wall adapter and USB cable

3. Product description

- 1 Storage space for sleeve of 200 Braun probe covers
- 2 Braun ThermoScan® PRO 6000 Ear thermometer in its cradle
- 3 Charging indicator
- 4 Power indicator
- 5 USB cable
- 6 Wall adapter
- 7 Interchangeable plug (available in 4 different configurations)

Model number	Plug configuration	
PRO6000BSNA / 06000-100	North America / China plug	
PRO6000BSEU / 06000-125	EU & UK plugs	
PRO6000BSC / 06000-575	North America / China, EU & UK plugs	
PRO6000BSAU / 06000-150	Australia plug	

- 8 USB connection adapter
- 9 USB retaining clip
- 10 Wall mounting holes







SAVE THESE INSTRUCTIONS

The charging station for the Braun ThermoScan® PRO 6000 Ear thermometer, a clinical grade thermometer, provides charging and security function, as well as storage for the thermometer and the probe cover dispensers. Before use, read the directions for use carefully.











4. Warnings and precautions



To reduce the risk of electric shock:

-  **WARNING** Do not reach for charging station that has fallen into water. Unplug immediately.
-  **WARNING** Do not place, store or charge the charging station where it can fall or be pulled into a tub or sink. Do not place or drop in water or other liquid.
-  **WARNING** Unplug this charging station before cleaning.
-  **WARNING** The charging station is provided with a low-voltage wall adaptor (Medical Wall Mount Adapter, type TMW7-5-IPW). Therefore you must not exchange or manipulate any part of it. Otherwise there is risk of electric shock.
-  **WARNING** Professional use only.
-  **CAUTION** In order to charge the thermometer, the charging station must only be used with the rechargeable battery pack supplied with this unit.

To reduce the risk of burns, fire, electric shock, or injury to persons:

-  **WARNING** The charging station must not be operated within 1.5 m (4.92 feet) of the patient's vicinity.
-  **CAUTION** Use this appliance only for its intended use as described in this manual. Do not use attachments not recommended by the manufacturer.
-  **WARNING** Do not modify this equipment without authorization of manufacturer.
-  **CAUTION** The appliance should never be exposed to temperatures of less than -20°C (-4°F) and more than +50°C (122°F). Keep the appliance and cord dry at all times. Do not handle with wet hands. Do not store in a damp environment. To avoid damage do not wind the cord around the appliance. It is important to check the cord for damage periodically (every 3 months) particularly at each end where the cord enters the plug.
-  **WARNING** Never operate this appliance if it has a damaged cord or plug, if it is not working properly, if it has been dropped or damaged, or if it has been dropped into water. Return the appliance to a service center for examination and repair.
-  **CAUTION** Keep the cord away from heated surfaces.
-  **WARNING** Never drop or insert any object into any opening.
-  **CAUTION** Always attach plug to appliance first, then to outlet.
-  **CAUTION** This device complies with current required standards for electromagnetic interference and should not present a problem to other equipment nor is it affected by other devices. As a precaution, avoid using this device in close proximity to other equipment.
-  **WARNING** Do not position the device so that it is difficult to operate or disconnect the device (Plug).

5. Setup

5.1 Battery installation

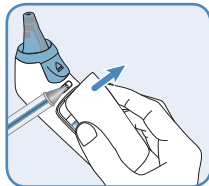
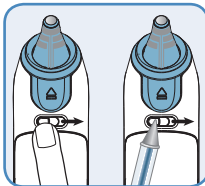
The charging station is supplied with 1 rechargeable battery pack. To make use of the charging function place the rechargeable battery pack in the battery compartment of the thermometer.

The battery pack may not be charged when delivered.

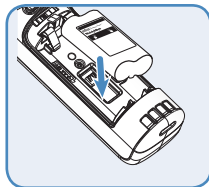


CAUTION Please charge the device for 3 hours in the charging station before use.
See 5.2 Connecting and 5.4 Charging the thermometer.

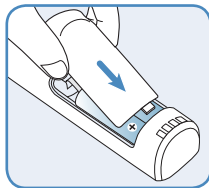
- 1 Open battery door by sliding spring latch to the right using your finger or a pointed object such as a pen. While holding the latch in the open position, grasp the battery door and remove it.



- 2 Insert rechargeable battery pack into battery compartment with battery label facing outward.



- 3 Snap the battery door back into place and ensure the latch returns to original latched position.



This product contains batteries and recyclable electronic waste.

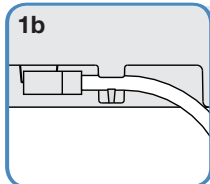
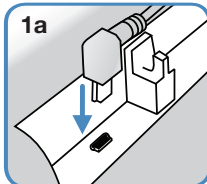
To protect the environment, do not dispose of it in the trash, but take it to appropriate local collection points according to national or local regulations.



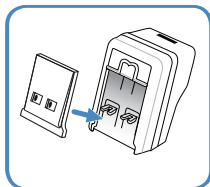
CAUTION Do not disassemble, short circuit or dispose of in fire.
Do not mix with different battery types.

5.2 Connecting

- 1 Connect the USB cable to the back of the charging station (1a) and feed the cable through the retaining clip (1b).

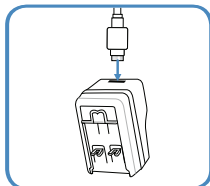


- 2 Select the appropriate interchangeable plug for your country and region (if more than one plug is supplied).



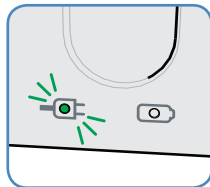
- 3 Connect the plug to the wall adapter.

- 4 Plug USB cable into wall adaptor.



- 5 Plug the entire assembly into the electrical outlet.

- 6 A green light will illuminate, indicating the charging station is ready for use.



5.3 Mounting instructions (optional)

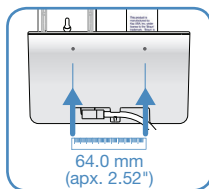
The charging station can be mounted to a wall or set up on a flat surface. The charging station should be mounted to the wall after completing step 3 of section 5.2 Connecting.

The following materials will be needed for mounting:

- 2 Phillips head #8 pan head screws (included)
- 2 Flush mount dry wall anchors (included)
- Ruler (not included)
- Phillips head screwdriver –#2 drive (not included)

To mount to wall:

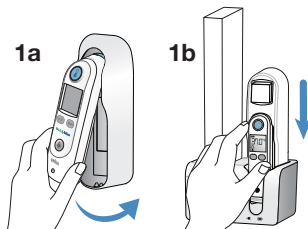
- 1 Ensure the USB cable is disconnected from the electrical outlet but still attached to the charging station. The USB connection on the charging station will not be accessible after mounting.
- 2 Locate the screws and dry wall anchors included with charging station.
- 3 Locate mounting holes on back of charging station.
- 4 Using the provided drywall anchors and screws affix the charging station to the wall or other secure location.



Note: If affixing the charging station to a surface other than drywall, please use fasteners appropriate to the surface.

5.4 Charging the thermometer

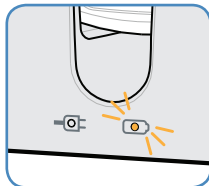
- 1 Place the thermometer with rechargeable battery pack installed into the thermometer cradle (1a). Place the thermometer in cradle into the charging station (1b).



- 2 The thermometer will produce an audible beep.

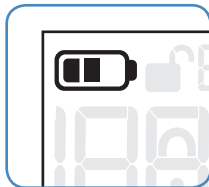


- 3 The charging indicator on the charging station will illuminate amber.

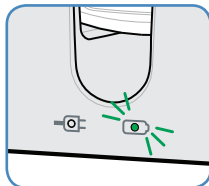


- 4 The battery charge status will be displayed on the thermometer LCD.

The charging indicator on the charging station will change to green when the thermometer is fully charged (approximately 3 hrs. if battery is empty). It is not possible to overcharge the batteries. It is recommended that the thermometer is stored in the charging station when not in use to maintain a full charge.



Please note, even with a full battery the charging station may take up to 5 minutes to recognize the full battery level. If this occurs the charging indicator will be amber upon installation of the thermometer in the charging station and then turn to green once the fully charged battery is recognized.



If you notice the charging station indicates a full charge (green charging indicator) but the thermometer LCD does not indicate a full charge it may be a result of the charging station or batteries being overly warm. It is recommended that you remove the charge station to a cooler environment.

If the charging indicator is not illuminated one of the following may have occurred:

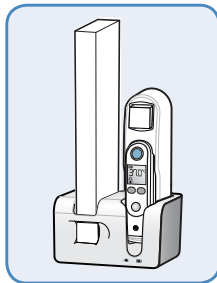
- Alkaline batteries (non rechargeable) are installed
- Thermometer / charging station are not connected correctly to an electrical source
- Thermometer is not correctly installed in the charging station

6. Security function

The Braun ThermoScan® PRO 6000 Ear thermometer is equipped with a security function which requires returning the thermometer to the charging station within a pre-selected time. If this time is exceeded, the thermometer will be locked. The security feature can be set through the Service Tool up to 12 hours / 720 minutes.

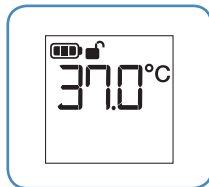
When leaving the factory, the security function of the Braun ThermoScan® PRO 6000 Ear thermometer is turned off. Security is only available via the use of the Welch Allyn Service Tool software and requires the charging station or any compatible Welch Allyn Vital Signs device to initiate. The security function may be used with rechargeable or alkaline batteries.

See 6.2 Settings to access this feature and change the settings.

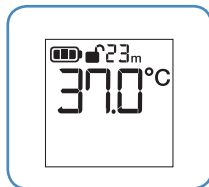
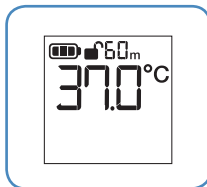


6.1 How it works

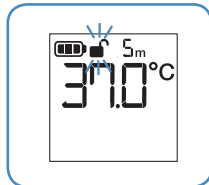
- 1 When the security function is enabled, an unlocked icon is displayed next to the battery indicator during normal use to show that the security function is active.



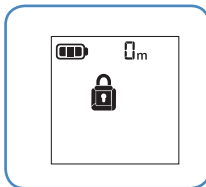
- 2 When the thermometer is within 60 minutes of the time limit a countdown clock showing the number of minutes remaining is shown next to the unlocked icon.



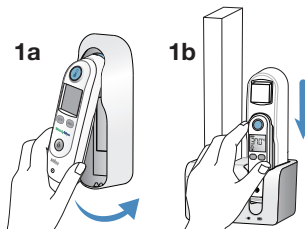
- 3 At 5 minutes prior to expiration the thermometer will begin to beep once per minute and the unlocked icon will flash to indicate imminent locking of the thermometer.



- 4 Upon expiration of the time limit, the unlocked icon and countdown timer will be replaced with the locked icon and the thermometer will beep once every 5 minutes to indicate locked state. Any button pressed in the locked state will result in an error beep and no other response from the thermometer. The thermometer cannot be used in the locked state.



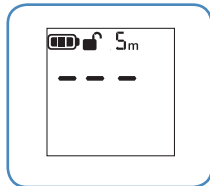
- 5 Unlock the thermometer by returning it to the charging station.



- 6 The thermometer will produce an audible beep and the backlight will illuminate for 5 seconds.



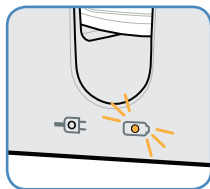
- 7 The time limit will be reset and the thermometer will return to the unlocked state for normal operation. When unlock state has been achieved, the thermometer will beep and the display will return.



8 Charging the thermometer with security function enabled:

If rechargeable batteries are installed the amber light on the charging station will illuminate indicating charging has resumed and the battery icon will appear on the thermometer display.

Although security function will operate, if alkaline batteries (non rechargeable) are installed in the thermometer the amber light will not illuminate on the charging station, the battery icon will not appear on the thermometer display and the batteries will not charge.



6.2 Security function settings

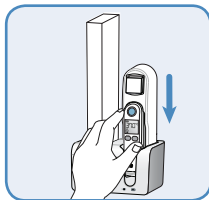
The charging station or compatible Welch Allyn Vital Signs device can be used with the Welch Allyn Service Tool to modify settings on the thermometer.

The Welch Allyn Service Tool software is required to modify the thermometers configuration.

A charging station and rechargeable batteries or compatible Welch Allyn Device is required to connect to the PC running the Welch Allyn Service Tool.

Follow the instructions to access Braun ThermoScan® PRO 6000 Ear thermometer advanced settings using the Welch Allyn Service Tool.

- 1 Dock the Braun ThermoScan® PRO 6000 Ear thermometer in the charging station.



- 2 The recommended action is to use the USB cable that connects to the wall adapter—unplug it from the wall adapter and plug it into your computer.

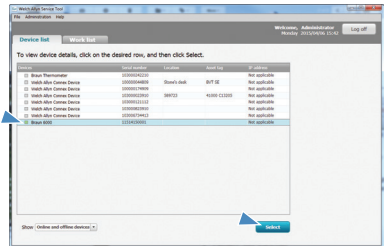


- 3 a. Launch the Welch Allyn Service Tool.
- b. If the startup screen with the “Add new features” and “Service” button appears click “Service”.
- c. Log in as ADMIN with no password

Note: If the log on prompt does not appear click the Log on button. You must be logged on to access the configuration dialog.

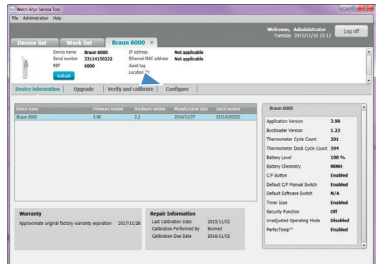


- 4 Click the Braun thermometer from the device list to highlight and click the select button.

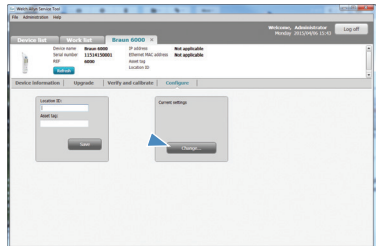


- 5 The Device tab opens.

- 6 Click the Configure tab to the right of the device information tab.



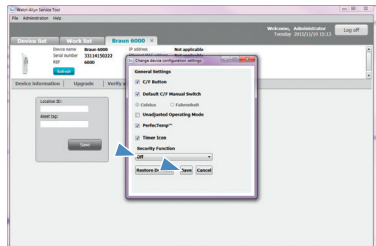
- 7 Click the Change button in the current settings box. The configuration settings dialog box opens.



- 8 To select the security function, click the drop down menu and click the desired time or Off to disable.

Once the desired settings are selected click the Save button to send the settings to the Braun thermometer and close the box.

To close the box without changing the settings click the Cancel button.



6.3 Service tools

For more information on the Service Tool and Service Tool installation guide go to www.welchallyn.com and download the service tool found under the Services & Support Tab/Service Centers/Download service tool.

7. Maintenance & service

7.1 Cleaning



Caution

CAUTION Do not use bleach solutions of any kind when cleaning metal electrical contacts. They will damage the contacts.

CAUTION Clean the contacts only with with 70% isopropyl alcohol. Allow contacts to dry for 1 minute.

As needed, clean the charging station with a slightly damp cloth or cleaning wipe with a 70% isopropyl or ethyl alcohol solution, 10% chlorine bleach solution, non-staining cleaning solutions (e.g. Metrex CaviWipes™, PDI Sani-Coth®) or hydrogen peroxide (e.g. Virox and Oxivir) cleaning solutions.







Approved cleaning solutions			
Family	Solution or brand	Charge station body	Contacts
Chlorine and chlorine compounds	10% Chlorine bleach solution	Yes	No
Quaternary ammonium compounds	CaviWipes™ Clinell® Universal Wipes SaniCloth Metrex	Yes	No
Hydrogen peroxide	Virox Oxivir	Yes	No
Alcohol	70% isopropyl or ethyl alcohol	Yes	Yes

Additional cleaning agents may be periodically evaluated for compatibility. If your cleaning agent is not listed, contact Welch Allyn to determine if additional cleaning agents are approved for use.

Note: If any cleaning agent other than isopropyl or ethyl alcohol comes into contact with the contacts immediately wipe dry. Then clean the contacts with isopropyl or ethyl alcohol.



Caution

-  **CAUTION** Do not use abrasive cleaning agents.
-  **WARNING** Unplug the charging station before performing any maintenance or service.
-  **WARNING** Do not submerge the charging station in water or any other liquid.
-  **CAUTION** Wipes should be moist, not saturated. Excess liquid may cause damage to the charging station.
-  **CAUTION** To clean the thermometer and cradle follow the Braun ThermoScan® PRO 6000 Ear thermometer cleaning instructions as specified in the PRO 6000 Directions for use, maintenance & service.
-  **WARNING** It is important to check the cord for damage periodically (every 3 months) particularly at each end where the cord enters the plug.

7.2 Storage instructions

Store thermometer and probe covers in a dry location (the thermometer is not protected against ingress of water), free from dust and contamination and away from direct sunlight. The ambient temperature at the storage location should remain fairly constant and within the range of -20 to 50°C (-4 to 122°F).

8. Specifications

Operating ambient temperature range: 10–40 °C (50–104 °F)

External medically certified power supply ratings:

Output Voltage:	5Vdc
Output Current:	1A
Input Voltage:	100-240VAC
Input Current:	0.3A
Input Frequency:	50-60Hz

Long term storage ranges

Storage temperature:	-20 to 50°C (-4 to 122°F)
Storage humidity:	0 to 85% non condensing
Electrical rating:	750 mAh
Rechargeable battery warranty:	3 years
Battery capacity:	Up to 700 temperature measurements per full charge / 3V
Rechargeable battery type:	customized dual battery pack (NiMH)
Charging station dimensions:	3.51" H × 4.08" D × 6.02" W (89.2 mm H × 103.7 mm D × 153.0 mm W)
Charging station weight:	5.3 oz / 150 g



CAUTION Do not use this device in the presence of electromagnetic or other interference outside the normal range specified in IEC 60601-1-2.



Intertek



NiMH

Standards and compliance

This device conforms to the following Safety and Performance Standards:

This product conforms to the provisions of the EC directive 93/42/EEC (Medical Device Directive).

ANSI/AAMI STD ES60601-1, UL STD 60601-1, CAN/CSA STD C22.2 No. 60601.1, IEC 60601-1 and EN 60601-1; 2nd and 3.1 Editions. Medical electrical equipment— Part 1: General requirements for basic safety and essential performance

BS EN 60601-1-2:2015, IEC 60601-1-2:2014

Medical electrical equipment—Part 1–2: General requirements for basic safety and essential performance—Collateral standard: Electromagnetic compatibility—Requirements and test

IEC/EN 62366-1: 2015 (IEC 60601-1-6:2010+A1: 2013) Medical devices—Application of usability engineering to medical devices

ISO 14971:2012 Medical devices—Application of risk management to medical devices

MEDICAL ELECTRICAL EQUIPMENT needs special precautions regarding EMC. For detailed description of EMC requirements please contact an authorized local Service Centre. Portable and mobile RF communications equipment can affect MEDICAL ELECTRICAL EQUIPMENT

Internally powered ME equipment.

Continuous operation.

Not protected against ingress of water.



Symbol definitions:



Type BF Applied Part

Caution



The caution statements in this manual identify conditions or practices that could result in damage to the equipment or other property, or loss of data.

Warning



The warning statements in this manual identify conditions or practices that could lead to illness, injury, or death. Warning symbols will appear with a grey background in a black and white document.



Class II Equipment



Separate collection of Electrical and Electronic Equipment. Do not dispose as unsorted municipal waste.



7d Consult instructions for use.

welchallyn.com



Power indicator



Charging indicator



Storage temperature



Storage humidity

9. Limited three year manufacturer's warranty

For Model BraunThermoscan® PRO 6000 Charging station

Welch Allyn (an affiliate of Hill-Rom®) warrants the product to be free of defects in material and workmanship and to perform in accordance with manufacturer's specifications for the period of three years from the date of purchase from Welch Allyn or its authorized distributors or agents.

The date of purchase is: 1) the invoiced ship date if the device was purchased directly from Welch Allyn, 2) the date specified during product registration, or 3) the date of purchase of the product from a Welch Allyn authorized distributor as documented from a receipt from said distributor, whichever date is earlier.

This warranty does not cover damage caused by 1) handling during shipping, 2) use or maintenance contrary to labeled instructions, 3) alteration or repair by anyone not authorized by Welch Allyn, or 4) accidents. This warranty does not cover batteries, damage to the probe window, or damage to the instrument caused by misuse, negligence or accident, and extends to only to the first purchaser of the product. Replaced units under warranty will have the remainder of the replaced unit's warranty length. Additionally, this warranty becomes void if the thermometer is operated with anything other than genuine Hillrom™ probe covers.