

# Connex® ProBP™ 3400 Digital Blood Pressure Device Outline

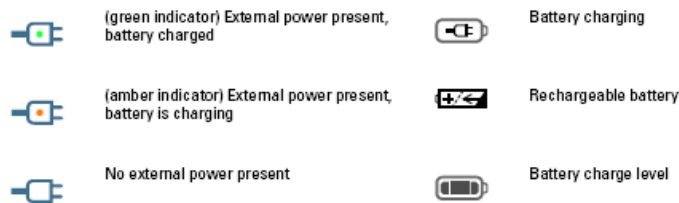
## A. Intended Use

1. The Connex ProBP 3400 can measure:
  - a. Systolic and diastolic blood pressure (Pediatrics and Adults)
  - b. Pulse rate
  - c. MAP (Mean Arterial Pressure) Display of this value is optional.
2. The device is intended to be used by clinicians and medically qualified personnel. It is available for sale only upon the order of a physician or licensed health care provider.





## B. Battery


1. The device is powered by a lithium-ion rechargeable battery.
2. Prior to initial use, install and charge the battery for 6 hours.
3. A dead battery may result if the ProBP 3400 is left uncharged or unused for a long period of a time. If this occurs, charge the battery for 6 hours by connecting the ProBP 3400 to an external power source.

### Power symbols





## C. Front Panel Buttons/Controls


Button	Function	Description
	Power	Turns device On or Off
	Blood Pressure Start/Stop	Initiates or cancels a blood pressure cycle
	Return Button	Returns the user to the previous screen
	Select Button	Accepts the current option

	<p>Navigation Buttons</p>	<p><b>Up navigation button:</b> Highlights the previous option in the Display window or increases numeric values.</p>	<p><b>Right navigation button:</b> Highlights the Settings tab in the Display window or highlights options to the right.</p>
		<p><b>Down navigation button:</b> Highlights the next option in the Display window or decreases numeric values.</p>	<p><b>Left navigation button:</b> Highlights the Review tab in the Display window or highlights options to the left.</p>

#### D. Initial Start Up



1. When using the ProBP the first time, you must program an initial configuration screen. Once this is done, you will not be prompted to configure this again.
2. Use the Navigation  and Select buttons  to select options and accept entries.
3. Additional details for device startup steps can be found on the Quick Start Guide included with the device.

#### E. Powering Up Device

1. Press the Power-On button .
2. The display lights up and the device performs an internal self-check.
3. Standby Mode:
  - a. When the device is powered on and left unused for 2 minutes it will go into Standby Mode. This saves battery power and the display screen will turn blank.
  - b. Press any button to bring the device out of Standby Mode.
4. When running off battery power, the ProBP 3400 will automatically power off when not used for 30 minutes. When the device is connected to external power, the device will automatically power off after 3 hours of non-use.

#### F. Blood Pressure (to be used on patients greater than 3 years of age ONLY)



1. Before taking a BP measurement, always perform the following steps:
  - a. Select appropriate cuff. The cuff is the appropriate size when the artery index marker lies somewhere between the range markings on the BP cuff.
  - b. Position the cuff. The cuff should always be positioned on a bare arm (or alternate site as necessary), preferably 1-2 cm above the elbow, with the artery index marker over the brachial artery. It should fit comfortably to allow no more than 1 to 2 fingers of space between the cuff and the arm. During the BP measurement cycle, the patient should not move the extremity and should remain quiet.
2. To initiate blood pressure measurements:

- a. From the Home screen, press the Blood Pressure Start/Stop button . The ProBP inflates the cuff to the appropriate pressure level, the Sure BP algorithm model measures the BP as the cuff is inflating. A reading will be obtained in about 15 seconds. The Standard BP Algorithm equipped model measures-BP as the cuff is deflating. A reading will be obtained in about 30 seconds.
  - b. If a reading cannot be obtained during normal operation (inflation), e.g., due to severe arrhythmias or patient movement, the device will attempt to obtain a repeated reading during deflation.
3. To cancel a reading while in progress, press the Blood Pressure Start/Stop button .

## G. Pulse Rate

1. Pulse rate readings are measured from NIBP.

## H. MAP

1. MAP display can be turned on or off by entering the Advanced menu. Factory default will be set to On.
  - a. From the Settings screen, press the **Up** or **Down Navigation** buttons to highlight the Advanced menu.
  - b. Press the **Select**  button. The Advanced menu displays.
  - c. Use **Up** or **Down Navigation** buttons to highlight MAP.
  - d. Press the **Select**  button.
  - e. Use the **Up** or **Down Navigation** button to highlight On or Off.
  - f. Press the **Select** button to confirm your choice.

## I. Data Review and Deletion

1. The ProBP retains up to 50 BP readings in memory. From the Home screen, press the **Left Navigation** button. The Review menu option is highlighted.
2. Press the **Select** button and the Review menu displays.
3. Use **Up** or **Down Navigation** buttons to review the desired reading.
4. Press the **Select** button to delete selected reading. A popup confirmation screen will appear; use Up or Down navigation buttons to highlight deletion of the selected reading, deletion of all readings, or to exit the screen without saving changes.

## J. Error Codes

1. If the ProBP detects an error, an error code will display on the Home screen.

## K. Cleaning

1. Clean on a routine basis according to your facility's protocols and standards.
2. The following agents are compatible with the ProBP:
  - a. Cavi-Wipes™
  - b. Sani-Cloth® Plus
    - i. Using Cavi-Wipes or Sani-Cloth Plus, wipe the surface of the device to remove all debris.
    - ii. Allow the device surface to dry for a minimum of 10 minutes before using the monitor.
  - c. 70% isopropyl alcohol

- i. Wipe the device with a clean cloth slightly dampened with 70% isopropyl alcohol.
  - d. 10% chlorine bleach solution/90% water solution
    - i. Wipe the device with a clean cloth slightly dampened with a 10% bleach and 90% water solution.
    - ii. Rinse with a clean cloth slightly dampened with clean water.
    - iii. Allow the device surface to dry for a minimum of 10 minutes before using the device.