Connex Vital Signs Monitor 6000 Series (CVSM)  [insert model #]

- Intended Use: Adults, Pediatrics, and Neonates
- Battery: Device status area shows icons which reflect if the battery is plugged in and fully charged or charging. If device is unplugged, it shows estimated battery life. If plugged in and not charging, it will display “unable to maintain a charge” icon.
- Features: Monitors NIBP and MAP, Pulse Rate, SpO₂, Temperature with color-coded removable probe wells (if applicable), Printer, Memory and Transport handle. The monitor allows you to enter patient data manually, scan in a patient’s name with a barcode scanner, or download a patient’s name from an ADT.
- Connections: AC power adapter, NIBP cuff hose (single or double lumen), Temperature probe (if applicable) and SpO₂ (if applicable).
- Cable ports: USB

Start-Up:
- Power Button is located on the right side of monitor. It turns the monitor on, sets the monitor to standby (by pressing again), and turns the device off (pressing and holding the button for six seconds).
- Display power-saving mode conserves battery power by turning off back light after two minutes of inactivity.
- Standby shuts down monitor if you do not touch any button for 10 minutes.

Home Screen/Profiles:
- Home screen is divided into three areas: Device Status Area, Content Area, and Navigation Area.
- Device Status Area (the top section of the screen) provides information such as Clinician identification, Device location, Time and date, Connection status (Ethernet, USB, Wireless), Alarms and Messages.
- Content Area (the large middle section of the screen) displays vital-sign measurements frames, patient information frame and manual parameters frame; this section also provides shortcuts to several controls.
- Navigation Area (the bottom section of the screen) provides tabs for other settings. Touching these tabs opens another screen and provides setting options.
- Profiles are variations of the Home tab that include Monitor (enables you to use alarms and timed intervals), Spot Check (no automatic readings or alarm features), and Triage (allows for vital-signs capture without alarms or access to Patients tab).
NIBP:
The monitor enables you to take manual and interval NIBP measurements. The device supports both single and double lumen BP hoses.

- Measurement can be taken from the NIBP frame: Systolic, Diastolic, and MAP can be seen. (Touching the frame toggles the primary and secondary view between SYS/DIA and MAP.)
- Select the appropriate size cuff and placement. Cuff should always be on bare skin with artery index marker over artery; allow one to two fingers’ space between cuff and arm; should be level with heart; have patient remain quiet with no movement of extremity during NIBP measurement cycle.

Manual BP: For manual BP, press the BP start button. The systolic display shows the cuff pressure while the blood pressure measurement is in progress. The monitor measures blood pressure as the cuff is inflating. If patient movement, excessive noise, or an arrhythmia prevents the monitor from determining the blood pressure while the cuff is inflating, the monitor attempts to measure the blood pressure while deflating the cuff. When the measurement is complete, the monitor displays the final reading. The monitor displays the measurement until you save it to the patient's record or you take another blood pressure measurement.

Interval BP: The monitor can take NIBP measurements automatically based on intervals you choose. The Intervals tab provides all interval features. From this tab you can do the following: Configure intervals, Turn off intervals, or Configure the monitor to print automatic measurements as they are completed. Automatic measurements continue until you turn off intervals.

Temperature (if applicable):
- Temperature Mode can obtain Predictive or Direct temperature measurements in °F or °C.
- Device can do Oral, Adult and Pediatric Axillary, and Rectal Temperatures. Within temperature frame select which mode desired.
- Color-coded, removable probe wells—inserting and removing properly; Blue for Oral/Axillary, Red for Rectal (if applicable).
- Site indicator icons, times, ages: Oral Temps—approximately 4-6 seconds; Adult Axillary—18 years and older approximately 12-15 seconds; Pediatric Axillary—17 years and younger approximately 10-13 seconds; Rectal Temps—approximately 10-13 seconds.
- Thermometer range: 80 °F to 110 °F, or 26.6 °C to 43.4 °C.
- Oral Measurements: Proper probe position is the most vital step for temperature measurement; place probe in sublingual pocket.
- Axillary Measurements: Choose adult or pediatric axillary icon; remove probe with blue ejection button; place probe vertically in axilla (“align with the spine”) against bare skin; ensure good tissue contact throughout process.
- Rectal Measurements (if applicable): Install red probe well and probe; lubricant optional; insert probe tip 5/8 inch for adults and less for infants and children.
- Direct Mode Measurements: Mercury glass equivalent mode—continuous monitoring; final temperature not indicated by beep nor stored in memory; device enters Direct Mode automatically if temperature cannot be determined in Normal Mode or if probe out of well and not used for 60 seconds.
  - Probe must remain in place three minutes for Oral or Rectal reading; five minutes for Axillary reading.
Interferences with oral measurements for up to 20 minutes: Ingesting hot or cold liquids, brushing teeth or mouth care, eating, chewing gum/mints, smoking, activity

Probe Covers: Use only Welch Allyn covers; single use only.

**SpO2 and Pulse Rate (if applicable):**
- If SpO2 sensor is attached, pulse rate is derived from SpO2 sensor. **If no SpO2 sensor is attached, pulse rate is derived from BP.**
- SpO2 (Nellcor or Masimo) and pulse rate monitoring continuously measures saturation level of oxygen in hemoglobin as well as patient’s pulse through a pulse oximeter.
- **Steps to Measuring SpO2/Pulse Rate:** Verify the SpO2 sensor cable is connected to the monitor. Clean the application site. Remove anything, such as nail polish, that could interfere with sensor operation. Attach the SpO2 sensor to the patient. Place the SpO2 sensor and the NIBP cuff on different limbs. You can configure SpO2 alarms and manually set them.
- **SatSeconds™ alarm management** is an SpO2 alarm management system available only with Nellcor-equipped monitors.
- **Perfusion index:** Perfusion index is an SpO2 feature available only with Masimo-equipped monitors. This is a relative reading of pulse strength at the monitoring site and is a numerical value that indicates the strength of the IR (infrared) signal returning from the monitoring site.

**Manual Parameters:**
- You can manually enter parameters including height, weight, pain level, temperature, or respiration rate. This is done from the home screen.

**Alarms:**
- The monitor presents physiological alarms and technical alarms. Physiological alarms occur when vital sign measurements fall outside of set alarm limits, but they occur only in the Monitor profile. Technical alarms occur in all profiles.
- The following occurs on the LED light bar on the device handle with alarms:
  a. **Flashing red** for high-priority alarms
  b. **Flashing amber** for medium-priority alarms
  c. **Constant amber** for low-priority alarms
- **Home tab notifications with alarms** are as follows:
  o **Device Status area:** The area changes color and displays a message with an accompanying status icon or button. If the alarm tone is in a pause interval, a timer countdown appears. If multiple alarms and information messages are active, the Device Status area shows the highest-priority alarm. If the alarms are equal in priority, the most recent alarm message appears. You can cycle through the messages for each active alarm.
  o **Parameter frame:** The background color changes. Touch this area to pause or turn off an alarm audio tone and nurse call notification.
  o **Alarm Limit control:** The icon in this control indicates the status of the alarms limit settings. Red and amber icons indicate measurements that have exceeded alarm limits. Touch this control to navigate to a parameter-specific tab where you can modify alarm limit setting
- **User can adjust vital sign alarm limits.**
Patient Data Management:
- You can manage patient data through the Home tab. Can enter patient data manually. Scan in a patient's name with the barcode scanner. Can enter specific patient information such as patient demographics, modifiers, and manual parameters. Patient can be selected from a list.
- **Creating a patient:** Touch the Patients tab. Touch Add. Enter the patient data using the keyboard controls. Touch OK to return to the Home tab. Any information entered is automatically saved.
- **Load patient data with the barcode scanner:** You can use a barcode scanner to query existing patient records and perform an ADT patient name match.
- **Save patient data:** Patient data can be saved to the monitor. After taking a patient reading, touch Save. A message will indicate that a save is in progress. **Note:** Depending on the profile and settings, readings may be saved automatically.
- **Manage patient records:** Patient records can be sent to the network, printed, or deleted.
  - **Note:** The icon indicates the records have been sent to the network.
  - **Note:** Depending on the profile and settings, readings may be automatically sent to the network.
- **You can delete a patient from the patient list.**
  - **Note:** Deleting a name from the patient list does not delete saved records.

Accessories:
- **Barcode Scanner:** The barcode scanner supports linear and two-dimensional barcodes.
- **Printer Options:** Print options include manual and automatic print commands.

Cleaning:
- Clean on a routine basis according to your facility's protocols and standards.
- The following agents are compatible with the monitor: Cavi-Wipes™, Sani-Cloth® Plus, 70% isopropyl alcohol, and 10% chlorine bleach solution.

General Settings/Parameters:
- General settings such as Language, Date/Time, General Alarms, Screen Display, Device Location, and Demo mode can be changed by selecting the General tab and then choosing the appropriate tab option for each.
- Parameter settings allows for specific changes in the parameters for each vital sign being monitored.
Resources

☐ Partners in Care Training tools, mouth chart, quick reference card, and CD
☐ Technical or Clinical Support 24/7 by calling 1-800-535-6663

Miscellaneous

☐ Competency Checklist/Evaluation Form
☐ Inservice Record
☐ Other (specify)

Additional Requests/Notes:

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Clinical Contact/Title      Date

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Clinical Consultant      Date