



LifePack 15

Best Practices and Helpful Info



- **On/Off:**
 - Press and hold to turn off
 - Buttons harder to push to prevent accidental turning on or off
- **Battery:**
 - Lithium Ion
 - Does not develop memory
 - Conditioning not required
 - 6 hours of monitoring with 2 batteries
 - Battery does not drain outside of charger
 - Older or heavily used batteries lose charge capacity. If a battery fuel gauge indicates fewer than four LEDs immediately after completing a charge cycle, the battery has reduced capacity. If the battery fuel gauge shows two or fewer LEDs after the battery completes a charge cycle, the battery should be replaced.
- **Storage Pouch:**
 - Single open area with option to Velcro a divider inside
 - Leave pouch open to allow for a bigger loop when storing the limb leads and preventing breakage
 - Store BP cuff on top of lead loop
 - Recommended to leave cords connected when monitor is not in use
 - Outside case covers the connectors and protects them.
- **VS Monitoring:**
 - **BP Monitoring:**
 - Defaults to 160 mmHg systolic when inflating
 - If pt BP is >160 mmHg, it will increase in 30 mmHg increments to a max of 250 mmHg systolic
 - If BP >255 mmHg it will show “xxx” in the BP box
 - If you are taking a BP on a *pediatric*, you will need to decrease the Default Initial Cuff Pressure to 100 mmHg (scroll to BP box, click with selector knob and change setting)
 - Blood Pressure Systolic Pressure Range: 30 to 255 mmHg
 - Diastolic Pressure Range: 15 to 220 mmHg
 - Pulse Rate Range: 30 to 240 pulses per minute
 - Initial Cuff Pressure: User selectable, 80 to 180 mmHg
 - Automatic Measurement Time Interval: User selectable
 - Automatic Cuff Deflation Excessive Pressure: If cuff pressure exceeds 290 mmHg
 - **SpO2 Monitoring:**
 - Four sensors come with monitor:
 - Adult – Pulse Ox & Rainbow
 - Pediatric – Pulse Ox & Rainbow
 - Rainbow Sensor (Red marking on finger piece)
 - Monitors SpO2, CO2 AND Methemoglobin
 - Audible alarm will sound at CO2 > or = 10 (this is indicative of an exposure)
 - Verify in 2 additional fingers if alarm sounds
 - Pulse Ox Sensor (Gray marking on finger piece)
 - Monitors only SpO2
 - USE GRAY PULSE OX SENSOR FOR NON-CO RELATED EVENTS
 - Placement for both is critical
 - Place on ring finger of non-dominant hand
 - Gets least used/calloused and has best perfusion
 - Squeeze wings on sides of connector to connect and disconnect
 - Both sensors see through nail polish except black and dark purple
 - If SpO2 reads “poor quality signal”, external lighting could be interfering with the sensor
 - If this occurs, place black sleeve (included with monitor) over the sensor to block the light



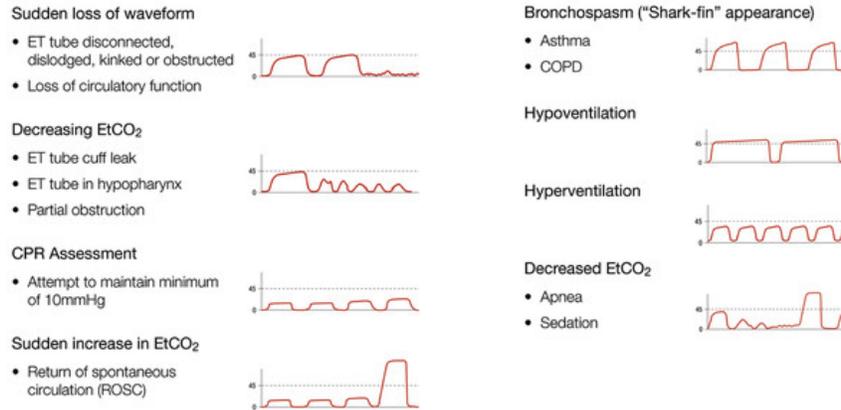
- **Capnography (EtCO₂):**

- Monitoring

- Display

- Monitor shows the maximum CO₂ values over the last 20 seconds

- If the EtCO₂ values are increasing a change is seen with every breath
 - If values are decreasing, it will take up to 20 seconds for a lower value to be displayed
 - Because of this, the EtCo₂ might not always match the level of the waveform



- Alarms

- EtCO₂ alarms controlled by activating ALARMS
 - Apnea alarm occurs when a breath has not been detected for 30 seconds
 - The message ALARM APNEA appears in the message area along with the time of the last detected breath

- Detection

- If CO₂ is not detected (i.e. Cardiac Arrest) the display will show dashes, or a flat solid line at or near 0
 - Check for equipment issues
 - Loss of airway function
 - Physiological factors

- **Be sure to insert the filter line into the LP15 and TWIST clockwise to lock into place**
 - **Improperly seated filter line will lead to fluctuation values**

- **12-Lead Monitoring:**

- **Continuously monitors all 12-leads in the background, and alerts you to changes with an automatic print out, after acquiring the initial 12-lead**
 - STJ values are now included on 12-lead print out to help identify changes
 - ST segment trending is continuous when the limb and precordial leads are attached to the patient
 - The device will print a 12 lead when the J point deviates from the initial measurement >1 mm
 - Verbiage on printout has changed to "Meets ST Elevation MI Criteria"
 - Clip to attach leads to pillow or pt clothing to lessen pull on electrodes

- **Pacer Function:**

- Automatically defaults to non-demand pacing as a back-up if a limb lead comes off (so you won't lose capture)
 - PAUSE button allows you to continue pacing but see underlying rhythm

- **Defibrillator:**

- Push selector knob to disengage charge
 - Therapy cables NOT compatible with other LIFEPAK devices
 - Slide cable (right to left) into place until you hear a "click"



- **Miscellaneous:**

- Press the "lightbulb" to activate the "sun view" when using the monitor in bright sunlight
 - User test automatically run at 0300hrs and then turns itself off

