



Guide to NIBP Monitoring in the LIFEPAK® 12 defibrillator/monitor series

To Select an Initial Pressure:

1. Highlight and select NIBP on the Home Screen
2. Choose an initial pressure by selecting INIT PRESSURE from the NIBP overlay on the display.

To Obtain a Manual Single-Measurement:

1. Press ON. Adjust screen contrast if necessary.
2. Select appropriately-sized cuff and apply it snugly to the extremity.
3. Connect tubing to the cuff and to the NIBP connector on the monitor.
4. Change the initial inflation pressure if necessary.
5. Explain the procedure and inform patient the cuff will automatically inflate to a set pressure and cause a “big squeeze” around the extremity. The patient’s cooperation is important for quick, accurate readings and to avoid repeated attempts.
6. Position the extremity in a relaxed and supported position at the approximate level of the patient’s heart.
7. Press NIBP and check that patient is not moving. A “beep” indicates measurement is complete and the display shows systolic, diastolic and mean arterial pressures.

To Set Timer-Controlled Measurements:

1. Press ON. Adjust screen contrast if necessary.
2. Select appropriately-sized cuff and apply it snugly to the extremity.
3. Connect tubing to the cuff and to the NIBP connector on the monitor.
4. To select an interval, highlight and select NIBP on the Home Screen.
5. Choose a time interval by selecting INTERVAL from the NIBP overlay on the display.
Your choices are: OFF, 2, 3, 5, 10, 15, 30 and 60 minutes.

Follow steps 4–7 as outlined on Manual Single-Measurement above.

8. Press NIBP to take a BP between time-controlled measurements, interrupt a measurement or deflate the cuff.

Troubleshooting Tips for NIBP Monitoring:

Screen Message	Possible Cause	Corrective Action
NIBP AIR LEAK	Cuff too loose Leak in system	<ul style="list-style-type: none">• Check and re-apply• Check all connections• Check cuff for leaks
NIBP FLOW ERROR	System not maintaining stable cuff pressure	<ul style="list-style-type: none">• Deflate or remove cuff• Check tubing for leaks• Replace cuff• Contact Service
NIBP FAILED	Monitor cannot establish zero-pressure reference	<ul style="list-style-type: none">• Check tubing for kink or blockage• Remove and obtain service• Check BP with another method
NIBP MOTION	Patient moved or flexed arm	<ul style="list-style-type: none">• Reassure and have patient lie quietly with extremity relaxed and supported• Check patient’s arm does not move during measurement

Screen Message	Possible Cause	Corrective Action
NIBP OVERPRESSURE	Cuff pressure > 290mmHg	<ul style="list-style-type: none"> • Deflate or remove cuff • Avoid rapid squeezing of cuff • Remove cuff and obtain service
NIBP TIME OUT	Unable to complete measurement in 120 seconds	<ul style="list-style-type: none"> • Check cuff for snug fit • Repeat measurement • Try a higher initial pressure • Use another method to check BP
NIBP WEAK PULSE	Unable to detect pulses	<ul style="list-style-type: none"> • Check pulses distal to cuff • Check cuff for snug fit
XXX	NIBP module failed or failed to calibrate successfully	<ul style="list-style-type: none"> • Contact Service
NIBP CHECK CUFF	Cuff is not connected to patient or device	<ul style="list-style-type: none"> • Check cuff for snug fit • Check cuff tubing connections



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