LiDCO LXi™
Noninvasive Hemodynamic Monitoring System

Noninvasively and continuously monitor blood pressure, cardiac output, stroke volume, and other critical hemodynamic parameters earlier and safer than ever before.
Provide advanced noninvasive hemodynamic monitoring to more patients in more care areas

With the LiDCO LXi noninvasive hemodynamic monitoring system from ICU Medical, you can safely monitor previously unmonitored, at-risk patients to assess and rapidly respond to formerly unseen changes in hemodynamic status. From surgery and ICU, to the emergency department and general care floors, getting accurate, real-time blood pressure and hemodynamic measurements has never been easier or safer.

Noninvasive hemodynamic monitoring across the continuum of care

Operating Room
Continuously monitor fluid status and blood pressure of patients who do not have an arterial catheter before and during anesthesia.

Intensive Care Unit
Quickly and noninvasively assess key hemodynamic parameters continuously to monitor a patient’s progress and response to treatment.

Emergency Department
Get better and continuous insight to critical patient conditions after ED assessment without a central line or arterial catheter.

General Floor
Accurately monitor and assess changing acuity levels of at-risk patients in a wide variety of acuity settings.

No arterial line, no pulmonary artery catheter, no problem.

With the LiDCO LXi, there is no need to put in an arterial line or a PA catheter just to get a hemodynamic baseline on your patients. Simply slip on the dual finger oscillometric cuff to provide continuous, beat-to-beat blood pressure monitoring and real-time hemodynamic parameters.

This simple, fast, and accurate technology lets you manage and respond to patient changes you may not have seen before, letting you avoid treating with limited and incomplete information.

Proven technology provides measurements you can count on

The noninvasive arterial waveform is analyzed by the PulseCO™ autocorrelation algorithm, which has been clinically proven to be the most reliable pressure-based method for hemodynamic assessment and management of critically-ill patients.

And using the system’s noninvasively-derived waveform has been shown to be as effective as using an arterial line when monitoring fluid responsiveness in surgery patients.

Comparison of A-Line vs Noninvasively Derived Waveforms

Choose the measurements you need to effectively manage your patients

» Systolic and Diastolic Pressure
» Mean Arterial Pressure
» Cardiac Output
» Cardiac Index
» Heart Rate Variability
» Stroke Volume
» Stroke Volume Index
» Stroke Volume Variation
» Pulse Pressure Variation
» Systolic Pressure Variation
» Systemic Vascular Resistance
» Systemic Vascular Resistance Index
Visualizing Your Patients’ Hemodynamic Status

The LiDCO LXi’s full-color display lets you instantly visualize your patients’ hemodynamic status.

Long-term Trend lets you see hemodynamic trends from the beginning of a procedure.

Event Response shows the response of a selected hemodynamic parameter to a fluid challenge.

Preload Response displays preload responsiveness parameters including pulse pressure variation and stroke volume variation.

Short-term Trend gives you hemodynamic trends for the past two minutes, showing you the immediate response to an intervention.

The LiDCO LXi System from ICU Medical

The LiDCO LXi noninvasive hemodynamic monitoring system from ICU Medical comes complete with everything you need to safely manage your patients’ hemodynamic status, including:

LiDCO LXi noninvasive hemodynamic monitor, power supply unit and cord, LiDCO noninvasive module, cuff controller, three finger cuffs, four arm cuffs and all necessary cables and hardware, user’s manual, and pole/rail clamp to VESA assembly.


Sackl-Pietsch E., Department of Anesthesiology, Landeskrankenhaus Bruck an der Mur, Austria. Continuous non-invasive arterial pressure shows high accuracy in comparison to invasive intra-arterial blood pressure measurement.

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