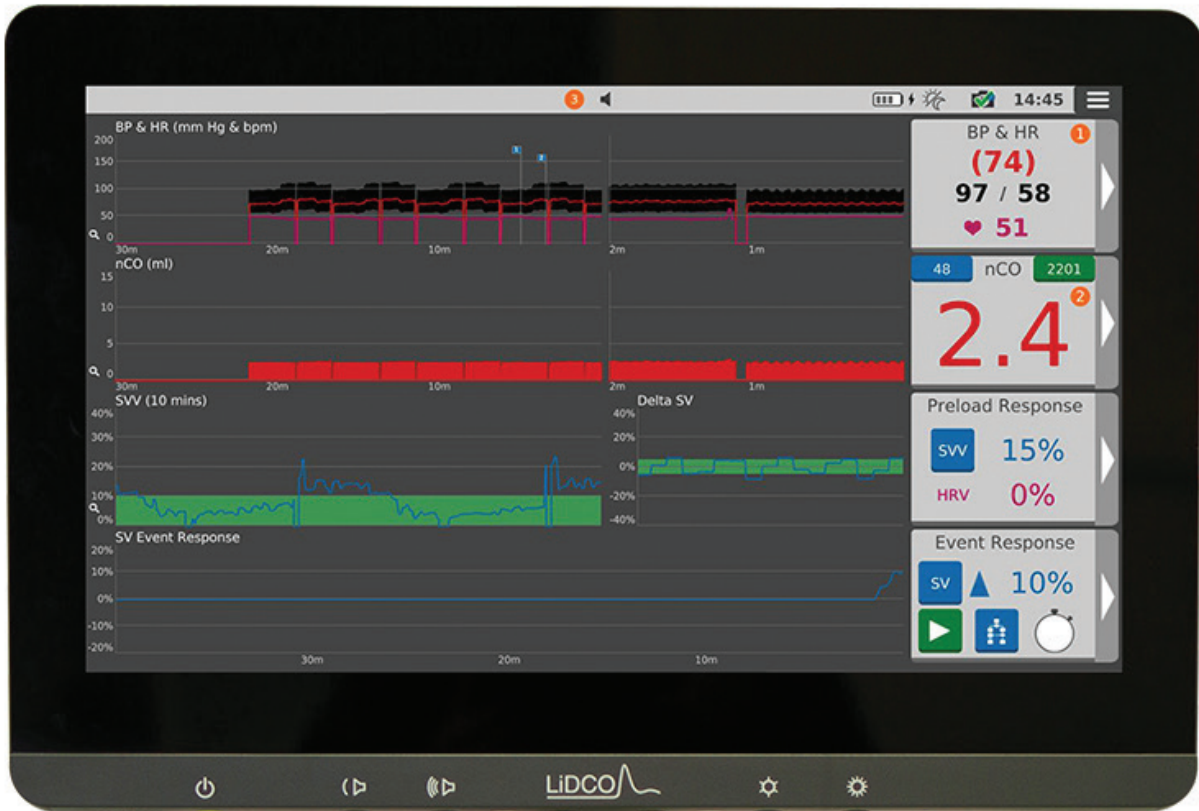


Masimo LiDCO™ Hemodynamic Monitoring System



The LiDCO Hemodynamic Monitoring System provides beat-to-beat advanced hemodynamic monitoring to support informed decision making in high-acuity care areas such as the Operating Room.

- > Uses existing arterial line and blood pressure transducer to monitor hemodynamic parameters
- > PulseCO™ algorithm converts beat-to-beat blood pressure into its constituent parts, flow and resistance, scaled to each patient's age, height, and weight
- > Proven to be reliable on patients on vasoactive drugs¹

Key Features

Trend Notifications
Alerts user to significant hemodynamic changes (>10%) to encourage an immediate response to patient deterioration

Internal Battery
For portability around the bed space and seamless transition to different clinical areas

Day/Night Mode
Switch between day and night mode to best suit your environment

Short-term Trend
2-minute window for greater focus on the immediate response to interventions

Long-term Trend
Facilitates interpretation of trends from the start of monitoring, which can be customized to show only the parameters you need

Guided Protocols
To help you assess fluid responsiveness (Fluid Challenge, Passive Leg Raise and New Ventilator Tests)

Education
On-screen educational screens for calibration

Event Response
Allows you to mark and monitor specific events, like a fluid challenge

Preload Response
Displays volume status indications for Pulse Pressure Variation (PPV%) and Stroke Volume Variation (SVV%)

Easy Setup and Operation

The LiDCO Monitor is designed for efficient setup and simple operation, with an intuitive, easy-to-interpret display—facilitating effective hemodynamic management even on those patients who are hemodynamically unstable and require fluid and drug support.



- > Plug-and-play operations using the invasive blood pressure output port on the vital signs monitor
- > Monitor using the existing blood pressure transducer, eliminating the need for an additional disposable

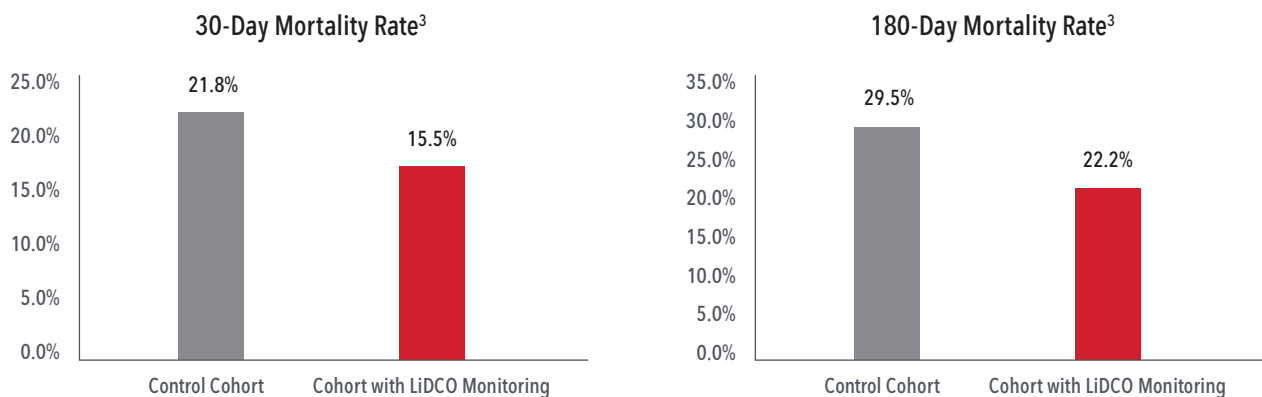
Clinical Evidence

Reductions in Postoperative Complications and Costs

- > In a randomized, controlled trial of 743 patients undergoing major abdominal surgery, researchers found hemodynamic optimization with LiDCO led to a 20% reduction in postoperative complications and, as a result, patients monitored with LiDCO were on average \$530 less expensive to treat than control patients who were not monitored.²

Reductions in 30-Day and 180-Day Mortality

- > In a study comparing the outcomes of 600 emergency laparotomy patients, researchers found that, following the implementation of a program including LiDCO technology, there was a significant decrease in mortality at 30 days (from 21.8 to 15.5%) and 180 days (from 29.5 to 22.2%).³



Parameters and Indicators

The beat-to-beat parameters displayed by the LiDCO monitor provide immediate feedback on a patient's fluid and hemodynamic status.

The LiDCO monitor provides the following parameters:

- > **Stroke Volume (SV):** The amount of blood pumped by the left ventricle of the heart in one contraction
- > **Cardiac Output (CO):** The amount of blood the heart pumps through the circulatory system in a minute, calculated by multiplying the stroke volume by the patient's heart rate
- > **Systemic Vascular Resistance (SVR):** Reflects the resistance to flow and is calculated as the quotient of pressure and cardiac output
- > **Oxygen Delivery (DO₂):** The amount of oxygen delivered to the tissues, calculated as the product of cardiac output and oxygen concentration
- > **Stroke Volume Variation (SVV):** A dynamic variable that can predict fluid responsiveness in mechanically ventilated patients, SVV is the variation in stroke volume across at least one respiratory cycle
- > **Pulse Pressure Variation (PPV):** Another dynamic variable that can predict fluid responsiveness in mechanically ventilated patients, PPV is the variation in arterial pulse pressure across at least one respiratory cycle

Monitor Specifications

PHYSICAL CHARACTERISTICS	ORDERING INFORMATION
Weight 4.7 kg	LiDCO Hemodynamic Monitor Kit PN 99026
Dimensions 406 x 274 x 61 mm	
ENVIRONMENTAL	PARAMETERS SUPPORTED
Operating Temperature 50–104°F (10–40°C)	Stroke Volume (SV)
Operating Humidity 30–75 % RH non-condensing	Cardiac Output (CO)
Operating Atmospheric Pressure 700–1060 mbar	Systemic Vascular Resistance (SVR)
	Oxygen Delivery (DO ₂)
	Stroke Volume Variation (SVV)
	Pulse Pressure Variation (PPV)

LiDCO is not licensed for sale in Canada.

¹ LiDCO data on file. ² Pearse R et al. Effect of a perioperative, cardiac output-guided hemodynamic therapy algorithm on outcomes following major gastrointestinal surgery: a randomized clinical trial and systematic review. *JAMA* 2014; 311(21):2181-90. ³ Tengberg LT et al. Multidisciplinary perioperative protocol in patients undergoing acute high-risk abdominal surgery. *Br J Surg* 2017; 104:463-471.

Caution: Federal (USA) law restricts this device to sale by or on the order of a physician. See instructions for use for full prescribing information, including indications, contraindications, warnings, and precautions.

Masimo U.S.
tel 1-877-4-Masimo
info-america@masimo.com

Masimo International
tel +41-32-720-1111
info-international@masimo.com

