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 drugs

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1. Reference or citation for reliability on vasoactive drugs.
Key Features

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 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

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>4.7 kg</td>
</tr>
<tr>
<td>Dimensions</td>
<td>406 x 274 x 61 mm</td>
</tr>
</tbody>
</table>

### Environmental

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Temperature</td>
<td>50–104°F (10–40°C)</td>
</tr>
<tr>
<td>Operating Humidity</td>
<td>30–75% RH non-condensing</td>
</tr>
<tr>
<td>Operating Atmospheric Pressure</td>
<td>700–1060 mbar</td>
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</table>

### Ordering Information

<table>
<thead>
<tr>
<th>Kit</th>
<th>PN</th>
</tr>
</thead>
<tbody>
<tr>
<td>LiDCO Hemodynamic Monitor Kit</td>
<td>99026</td>
</tr>
</tbody>
</table>

### Parameters Supported

- Stroke Volume (SV)
- Cardiac Output (CO)
- Systemic Vascular Resistance (SVR)
- Oxygen Delivery (DO₂)
- Stroke Volume Variation (SVV)
- Pulse Pressure Variation (PPV)

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LiDCO is not licensed for sale in Canada.

1 LiDCO data on file.

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.