EV1000 Clinical Platform

What you need.
When you need it.

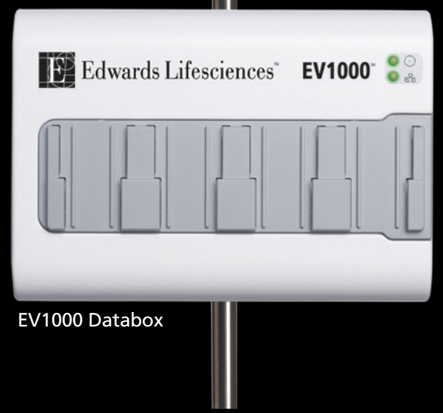
Edwards

EV1000 Clinical Platform . . .

Designed for both the OR and ICU .

EV1000 Clinical Platform + **FloTrac Sensor** + **PreSep Oximetry Catheter** + **VolumeView Set** = **Edwards Critical Care System**

EV1000 Monitor



EV1000 Databox

EV1000 Clinical Platform

The EV1000 clinical platform from Edwards Lifesciences presents the physiologic status of the patient in an entirely new, intuitive and meaningful way. Designed in collaboration with and validated by clinicians, the EV1000 clinical platform offers you scalability and adaptability in both the OR and ICU.

The EV1000 clinical platform was purposefully designed with a separate monitor and databox, allowing you the choice of where to place it and how to set it up.

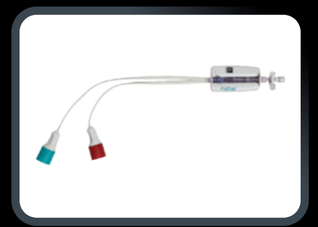
- Separate databox allows for choice in placement location
- Modularity offers choice of sensors and catheters

The databox allows for seamless adoption of future technology as Edwards Lifesciences continues to advance hemodynamic monitoring.

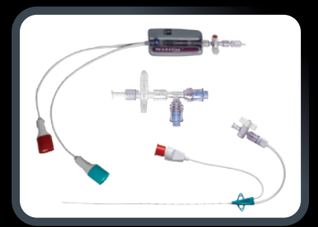
The EV1000 clinical platform displays the parameters provided by the FloTrac sensor, the PreSep and PediaSat oximetry catheters and the VolumeView set.

Experience the EV1000 clinical platform and the choice of the parameters you want, how you want to view them — and bring clarity to every moment.

Continuous oximetry with the PreSep oximetry catheter or the PediaSat oximetry catheter
Provides: $ScvO_2$



Fluid optimization with the FloTrac sensor
Provides: CCO/CCI, SV/SVI, SVV, SVR/SVRI



Volumetric insight with the VolumeView set
Provides: CCO/CCI, SV/SVI, SVV, SVR/SVRI, EVLW/ELWI, GEDV/GEDI, GEF, PVPI, ITBV/ITBI

Edwards Critical Care System

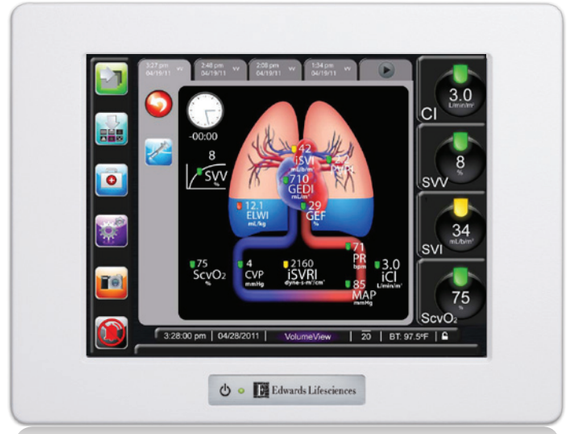
CLARITY

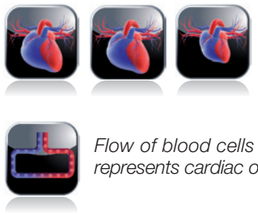
Visualized Physiology

The EV1000 clinical platform presents patient hemodynamic information clearly and simply. Color-based indicators communicate patient status at a glance, and visual clinical support screens allow for immediate recognition and increased understanding of rapidly changing clinical situations for improved decision making.

Real-Time Physiology Screen

The animated physiology screen visually depicts the dynamic changes occurring in your patient. By delivering parameters visually as well as numerically, the EV1000 clinical platform allows you to more easily determine the root cause of a particular situation, further assisting and guiding your clinical decisions.





Heartbeat reflects current heart rate

Flow of blood cells represents cardiac output

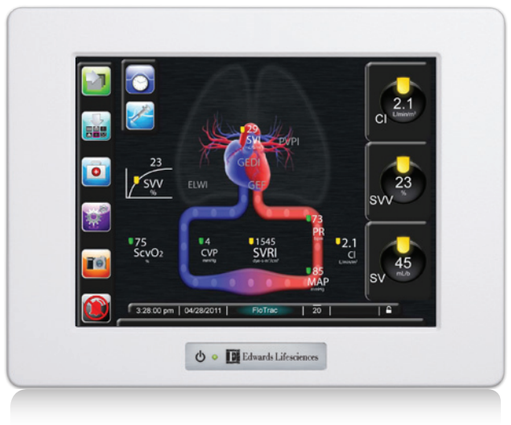
Replicated patient position on Frank-Starling curve

Heart size reflects patient volumetric status

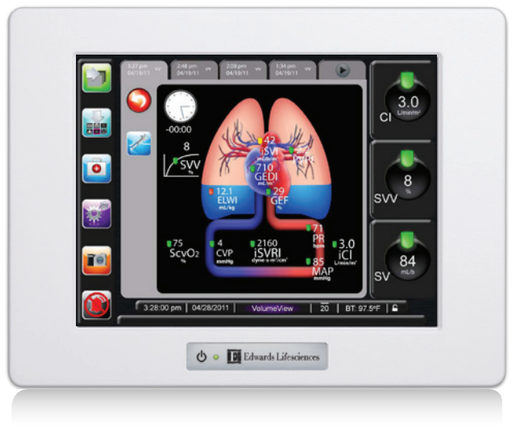
Vasculature can depict vasoconstriction or vasodilation

5 levels of lung water shown in lungs

Continuous Physiology Screen



Intermittent Physiology Screen



CHOICE

Perioperative Optimization

Monitoring and optimizing stroke volume (SV) by volume loading during the surgical procedure or in the immediate postoperative period is a key strategy for reducing postoperative complications. SVV measured by the FloTrac system also can be used to tailor fluid therapy. Cardiac output measured continuously by the FloTrac system can be used (in combination with SaO_2 and hemoglobin) to monitor and optimize DO_2 with fluid (including red blood cells) and inotropic agents.

During surgery, as long as oxygen consumption is stable, $ScvO_2$ can be used as a surrogate for DO_2. The PreSep oximetry catheter provides continuous measurement of $ScvO_2$. An $ScvO_2$ value >73% can be targeted using fluid (including red blood cells) and inotropic agents.

Exclusive Cockpit Screen

The cockpit screen combines large, easy-to-see numbers with specific color target ranges to clearly indicate patient status. You can choose parameters, alarms and targets to meet your precise patient monitoring needs.

Alarm and target range

Dynamic patient status indicator

Large value display

% direction of change

Goal Positioning Screen

The Goal Positioning Screen (GPS) plots two key hemodynamic parameters against each other on the same X/Y plane. The blue pulsating sphere represents the current intersection of the parameters while the descending circles display the historical trend. The green target box indicates the intended clinical targets. This screen may be particularly helpful when implementing goal-directed fluid management protocols.

Goal Positioning Screen – HRS

Goal Positioning Screen – ICU

CLINICAL SUPPORT

Guiding Platform

The EV1000 clinical platform provides a choice of screen options to provide immediate insight to aid your therapeutic interventions.

Graphical Trend Screen

The graphical trend screen allows you to select, place and track interventions over time while providing key parameter trending data. The percent change indicator provides additional insight into the patient's condition.

Physio-relationship Screen

The physio-relationship screen depicts the balance between oxygen delivery and consumption, allowing you to identify the root cause of the imbalance and the most appropriate intervention.

Select Intervention

Continuous Physio-relationship – Hypovolemia

View Intervention Detail

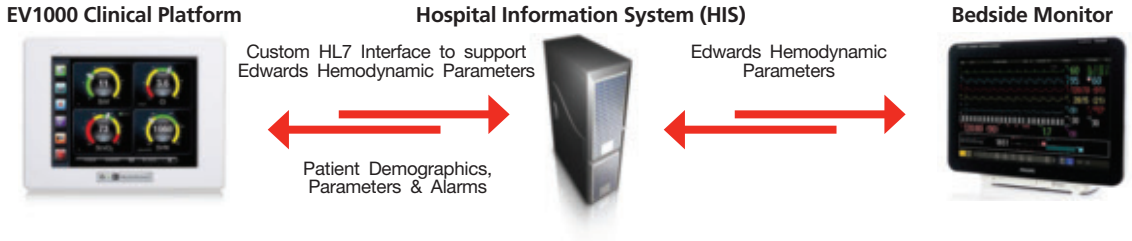
Intermittent Physio-relationship – Pulmonary Edema

Connectivity

EV1000 Clinical Platform

Connectivity within the EV1000 clinical platform enables you to optimize your clinical workflow. There are three options for connecting the platform to your Hospital Information System - IFM out through a serial connection, HL7 through an ethernet connection, as well as an HL7 integration engine. These enabling technologies can facilitate the exchange of electronic medical information between the hospital information system and the platform, resulting in improved data transfer. Through HL7 clinicians can seamlessly query patient demographic data to more quickly initiate monitoring. The EV1000 clinical platform HL7 protocol was developed in accordance with IHE recommendations, providing a more standardized, easier path to device communications.

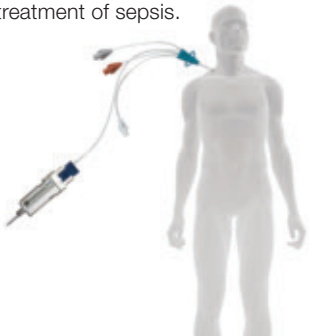
Connectivity Workflow



The EV1000 clinical platform displays the parameters provided by:

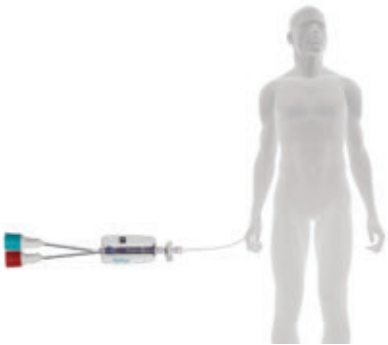
PreSep Oximetry Catheter

The PreSep oximetry catheter continuously monitors central venous oxygen saturation ($ScvO_2$) and is an integral part of the Early Goal-Directed Therapy (EGDT) protocol* for the treatment of sepsis.



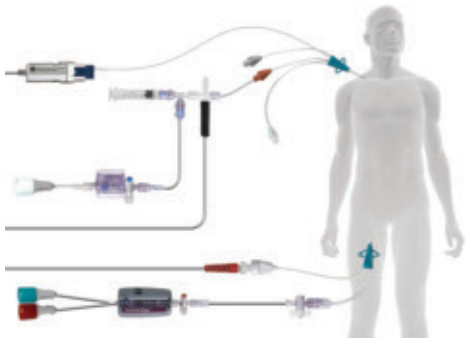
FloTrac Sensor

The FloTrac sensor easily connects to any existing arterial catheter and automatically calculates key flow parameters (CCO/CCI, SV/SVI, SVV, SVR/SVRI) every 20 seconds, making it the easy and reliable solution for fluid management and perioperative optimization of the high-risk surgery population.



VolumeView Set

The VolumeView set provides volumetric parameters (EVLW, GEDV, GEF, PVPI, ITBV) and continuous, calibrated hemodynamic parameters (CCO/CCI, SV/SVI, SVV, SVR/SVRI) via a patented Edwards Lifesciences proprietary VolumeView algorithm. These parameters can also be calibrated through manual, intermittent, transpulmonary thermodilution.



Helping to advance the care of the critically ill for 40 years, Edwards Lifesciences seeks to provide the valuable information you need, the moment you need it. Through continuing collaboration with you, ongoing education and our never-ending quest for advancement, our goal is to deliver clarity in every moment.

Visit www.Edwards.com/ECCS to learn more

*Rivers E, et al. (2001) Early goal-directed therapy in the treatment of severe sepsis and septic shock. N Engl J Med 345:1368–1377.

For professional use. CAUTION: Federal (United States) 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, precautions and adverse events.

Edwards Lifesciences devices placed on the European market meeting the essential requirements referred to in Article 3 of the Medical Device Directive 93/42/EEC bear the CE marking of conformity.

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