EV1000 Clinical Platform Software Version 1.9
Quick Reference Guide

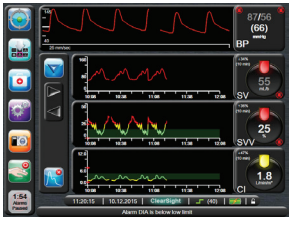
This quick reference guide outlines some of the enhancements and new features found in software version 1.9. This guide is not intended to be comprehensive instructions for the setup and operation of the EV1000 clinical platform. For complete instructions, along with warnings and cautions, refer to the EV1000 clinical platform user manual (software version 1.9).

Arterial Waveform

Software version 1.9 includes the addition of the arterial (ART) waveform on the graphical trend screen. If four key parameters are displayed on the graphical trend screen, display of the ART graph temporarily removes a key parameter and the ART graph is displayed at the top of the remaining 3 key parameters.

1. To display the real-time blood pressure waveform, touch the **Display Arterial Waveform** button.

2. A numeric reading of the beat to beat systolic, diastolic and mean arterial pressure will be displayed above the first monitored parameter globe.

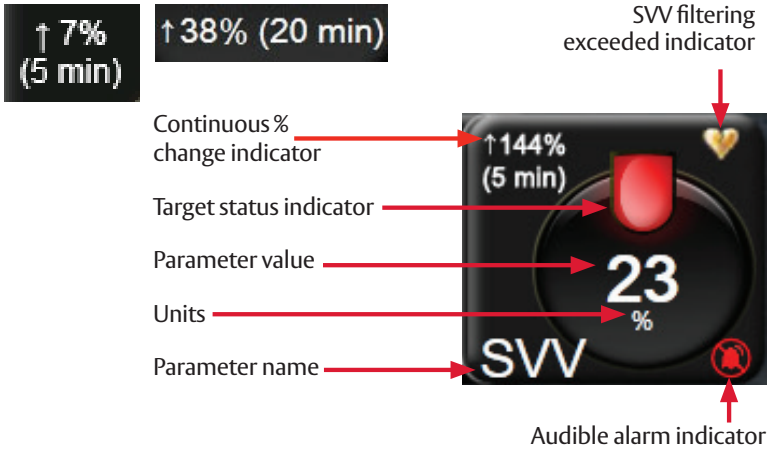


3. To stop display of blood pressure waveform, touch the **Hide Arterial Waveform** button.

Edwards

New Status Indicator

A continuous % change indicator has been added to most monitoring screens with the exception of the tabular trend screen. This indicator displays the percentage of change, followed by the time period over which it changes.



Manual CVP Entry

The CVP entry screen allows the user to input a patient's CVP value to calculate continuous SVR/SVRI when a continuous source of CVP is not connected.

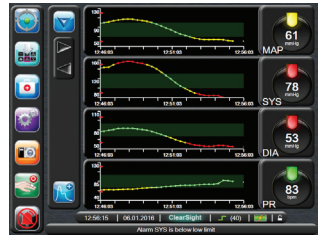
1. Touch the **Clinical Actions** button.

2. Touch the **CVP Entry** button.

3. Enter a CVP value.

4. Touch the **Home** button.

New Hemodynamic Parameters – PR, MAP, SYS, DIA
Software version 1.9 includes additional hemodynamic parameters. Pressure Rate (PR), Mean Arterial Pressure (MAP), Systolic Pressure (SYS), and Diastolic Pressure (DIA) are newly added parameters to the already existing other available parameters from a FloTrac system include Cardiac Index (CI), Stroke Volume (SV), Stroke Volume Index (SVI), Stroke Volume Variation (SVV), Systemic Vascular Resistance (SVR), and Systemic Vascular Resistance Index (SVRI).



1. To change a displayed parameter, touch outside the globe you want to change.

2. The currently selected parameter appears highlighted in color and other parameters currently being displayed are outlined in color. Available parameters appear on the screen without highlights.

3. Touch the parameter you want to replace the current parameter.

Refreshed Intervention Screen
While in the graphical trend screen, selecting the intervention button provides you with a menu of Intervention types, details and a notes section.

To enter a new intervention:
1. Select the intervention type from the **New Intervention** menu on the left.

2. Select **Detail** from the right menu tab. **Unspecified** is set as a default.

3. Select the keyboard icon to enter notes (optional).

4. Touch the **Enter** button.

Intervention	Indicator	Type
Intervention	(Green)	Inotrope Vasodilator Vasopressor PEEP
Positional	(Purple)	Passive leg raise Trendelenburg
Fluids	(Blue)	Red blood cells Colloid Crystalloid
Custom	(Grey)	Custom event

Intervention Editing. The time, date, and associated note for each intervention can be edited after initial entry:

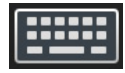
1. Touch the **Intervention Event Indicator** associated with the intervention to be edited.

2. Touch the **Edit** button on the information balloon.

3. To change the time of the selected intervention, touch on **Time Adjust**, and enter the updated time on keypad.

4. To change the date, touch on **Date Adjust**, and enter the updated date on keypad.

5. Touch the keyboard icon to enter or edit notes.



6. Touch the **Enter** button.

Enhanced Parameter Tracking

The EV1000 clinical platform provides tools for performing **Perioperative Goal-Directed Therapy (PGDT)**, enabling a user to track and manage key parameters in the optimal range. With enhanced parameter tracking, clinicians have the ability to create and monitor customized protocols.

PGDT Selection

Enter PGDT mode by selecting the PGDT tracking button on the main menu navigation bar.

Select PGDT Parameters and Known Targets

1. Touch the upper half of a parameter/target selection button and choose the desired parameter from the parameter panel.

2. Touch the lower half of the button to enter a range value on the keypad. The selected operator (<, ≤, > or ≥) and value represent the upper or lower boundary during parameter tracking.

3. Touch the green return key.

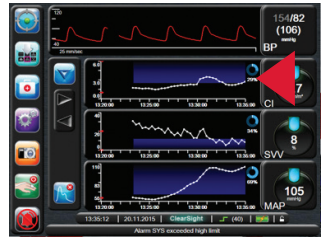
4. Touch OK to begin PGDT tracking.

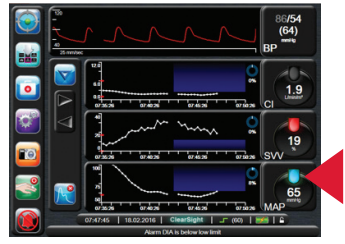
Observe PGDT Trend Screen

1. During active PGDT tracking, the plot area of the parameter trend graph within targeted range appears blue.

2. The Time-in-Target indicator value represents the accumulated percentage of time a parameter has been within target during an active tracking session.

3. The parameter globe lantern appears:
   - Blue if within configured target
   - Black if outside configured target
   - Red if below or above alarm limit





SV Optimization

1. SV/SVI target range for PGDT tracking is selected based on recent SV trends.

2. Enter PGDT SV optimization mode by selecting the PGDT tracking button on the main menu navigation bar.

Determine SV Optimization

1. Select SV or SVI as a key parameter.

2. Do not specify a target value in the lower half of the parameter/target selection button.

3. Touch OK to begin.

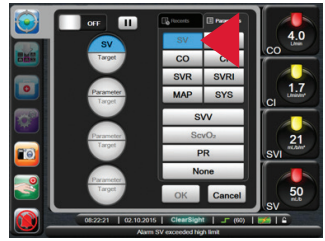
4. Observe the SV trend while administering necessary fluid to achieve an optimal value.

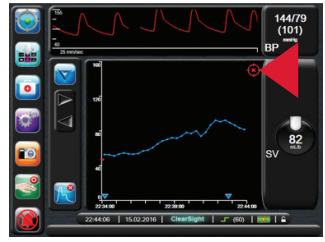
5. Touch the Add Target button on the right side of the SV trend graph; the trend line will turn blue.

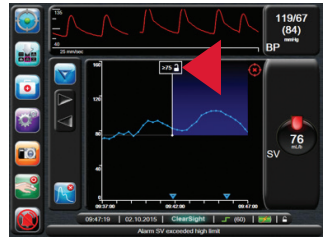
6. Touch within the plot area to view a trend line value; a target value button will appear along with an unlocked icon.
   - A horizontal white dashed line will be displayed at 10% below the target cursor value
   - The area extending from this line to the top of the Y-axis will be shaded blue

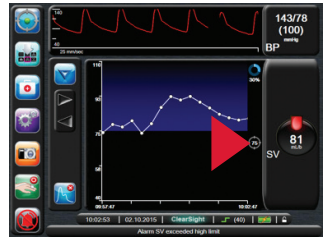
7. Touch the target value button to accept the displayed target range and initiate PGDT tracking.

8. The edit target button can be touched at anytime after target selection to adjust the SV/SVI target value.









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