NOTE
Keep the date and time of all EV1000 monitors current. If the date and/or time of the EV1000 monitor being transported “from” differs from the EV1000 monitor being transported “to,” then the 24 hour test may not work properly.

1. Connect the power adapter and ethernet cable for both EV1000 panel and databox. Press the button on the panel.

2. When the boot up is complete, enter new patient data (patient ID, gender, age, height, and weight) or continue same patient.

3. If entering new patient data, use the touch screen to select and enter values. Press Home to continue.

PreSep Oximetry Catheter Setup
1. Connect the optical module to the oximetry color-coded connector on the back of the EV1000 databox. Allow 20 minutes for the optical module to warm up.
2. Open the PreSep catheter lid exposing only the optics connection or entire tray, depending on technique, remove optics connection being careful not to contaminate tray contents.

3. Connect PreSep catheter to the optical module matching “TOP” on both optical module and optics connection.

Calibration
1. Touch Clinical Actions.
2. Touch Oximetry Calibration.
3. Use In vitro calibration if catheter has not been inserted into the patient yet.

In vitro Calibration
1. Select ScvO₂.
2. Touch In vitro Calibration.
3. Touch HGB (hemoglobin) or Hct (hematocrit), and enter the lab value if available or else use default values.
4. Select Calibrate. Calibration is complete in 20 seconds.
5. When In vitro Calibration OK message appears, insert catheter.

In vivo Calibration (performed after catheter has been inserted)
1. Touch In vivo Calibration. Baseline setup is complete in 25 seconds.
2. Touch Draw, then withdraw the blood sample slowly (2 mL over 30 seconds) and send sample to lab for analysis.
3. Upon receipt of lab values, enter HGB (hemoglobin), Hct (hematocrit), and ScvO₂ values.

EV1000 Monitor Recall Optical Module Data
Patient data and system calibration information can be transferred with the patient via the optical module. With the catheter connected to the optical module, unplug the optical module from the EV1000 databox. Do not disconnect catheter from optical module. Once the patient has been transferred, reconnect the optical module to the EV1000 databox.

1. Touch Clinical Actions.
2. Touch Oximetry Calibration.
3. Select Recall OM Data.
4. The calibration data in the optical module is displayed if the data is less than 24 hours old. Select Yes to recall data from optical module or select No to perform an in vivo calibration. If the optical module data is more than 24 hours old, the data cannot be recalled and a new calibration must be performed.