



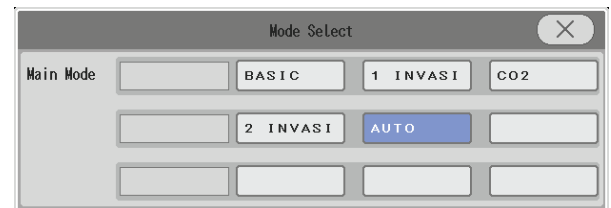
Invasive Lines, EtCO2 and 12-Lead Reference Guide

To Display BP (Invasive Line) Waveforms

- Touch the **Mode** key found at the top of the monitor by the Pt's name or **Admit/Discharge** → **Mode Select**.
** A user key may be available for the Mode or as Mode Select.*

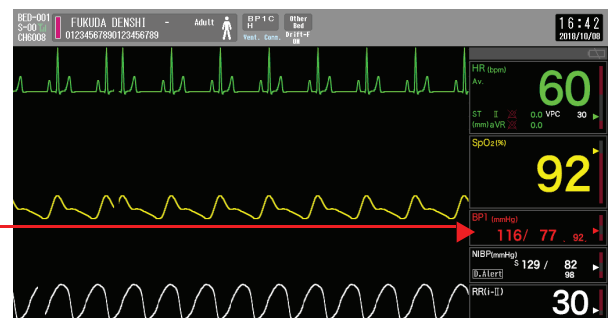


- In the “**Mode Select Menu**” under “**Main Mode**” change the mode to: **AUTO, 1 Invasive or 2 Invasive, etc....** The active mode will be highlighted **blue**.
- Once you have changed the Mode, connect the Interface cable directly into the Blue connection if doing a single invasive pressure or connect into the bifurcated cable to increase the capability to 2 invasive pressures.



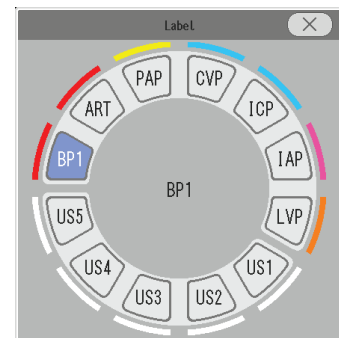
To Change the Label, Scale or Alarm Parameter of a BP (Invasive Line) Waveform

- Touch the **BP1 or BP2** Numeric Box:
- Touch the **LABEL** to display the BP label setup menu.



- Select the “**BP-Invasive Line**” label you want to display and record; (ie: ART, CVP, PAP, etc...).
- The color of the waveform, the scale and the numerics will change according to the Label

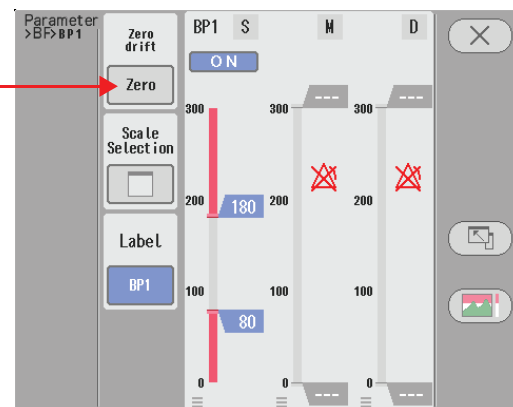
***NOTE:** the chosen label can only be displayed for a single waveform



- Touch the **SCALE** button.
 - The BP scale setup menu will be displayed showing the default scale for a specific invasive line.
 - To change touch the chosen scale level.
- Touch the **BP ALARM** keys to change the alarm parameters.
 - Select “**ON/OFF**” for BP alarm.
 - Set the upper and lower alarm limits specific to the invasive line.

To Zero BP (Invasive Line) Waveforms

- Turn three-way valve off to the patient and open to air.
- Touch and hold the **BP ZERO** button for three seconds.
 - * This **may** be a quick key which will allow you to zero multiple lines at the same time



- A message, **"0/0"** will be displayed when the procedure is completed or **"BP zero failed"** will be displayed when process fails. After **"BP zero failed"** message make corrections and repeat the procedure to zero.

* Failure may be due to:

1. Three-way valve may not be opened to air,
2. Artifact is present, or
3. The transducer may be defective.
4. **The cable is not pushed in all of the way.**

* **"BP zero drift"** will be displayed when the interface cable is not connected at all.


- Once completed, turn the three-way valve **OFF** to air and **OPEN** to the patient to monitor.

To Monitor EtCO2 Waveform

- Touch the **Mode** key found at the top of the monitor by the Pt's name or **Admit/Discharge** → **Mode Select**.
 - * A user key may be available for the Mode or as Mode Select.
- In the **"Main Mode"** change the mode to: **EtCO2 or Auto**. The active mode will be highlighted **blue**.
- Connect the CO2 sample line to the monitor.
- The CO2 sensor will automatically begin warming up and the system will calibrate.
- Once the patient is connected to a sample line (Nasal Cannula or In-Line), the EtCO2 value and the InspCO2 value will be displayed.



To Change any setting to EtCO2 Parameter

- Touch **Menu** > CO2 or the CO2 numeric Number. Touch the  to go to the 2nd page of the menu.
 - Touch the **SCALE** key.
 - ◆ This will display the CO2 waveform. Select from 50, 100 mmHg.
 - Touch the **EtCO2 alarms** to ...
 - ◆ Select **ON/OFF**.
 - ◆ Default **Alarm Parameters** will be preset, adjust per hospital policy

DS-8007, DS-8200, DS-8400 and DS-8500

Interpretive 12-Lead

- Touch the **Mode** key at the top of the monitor. Choose **12 Lead**.

***NOTE:** Remove current **ECG** cable and plug in the **12-lead cable**. This will now show a continuous 12-lead tracing.

On the 8500 you will also have two additional waveforms (SpO2, EtCO2, RR, ART, etc...) displayed.



- Touch **12-Lead Analysis** → “**Start Analyze**” key.
 - ◆ When the analysis completes, the analyzed result will be displayed.
 - ◆ On the analyzed result screen, the dominant waveform and the analyzed result will be displayed.



- To View **ST Segment Mapping**
 - ◆ Touch **Dominant** > Touch **Panorama** on the **Analyzed Result** screen.

- To Print
 - ◆ Touch **Print** located near the lower right corner to print to the laser printer.
 - *Note:** Hardwired install required
 - ◆ Touch what to Print > **Waveform Report**, **Analyzed Report** or **Panorama** (ST Segment Mapping).

