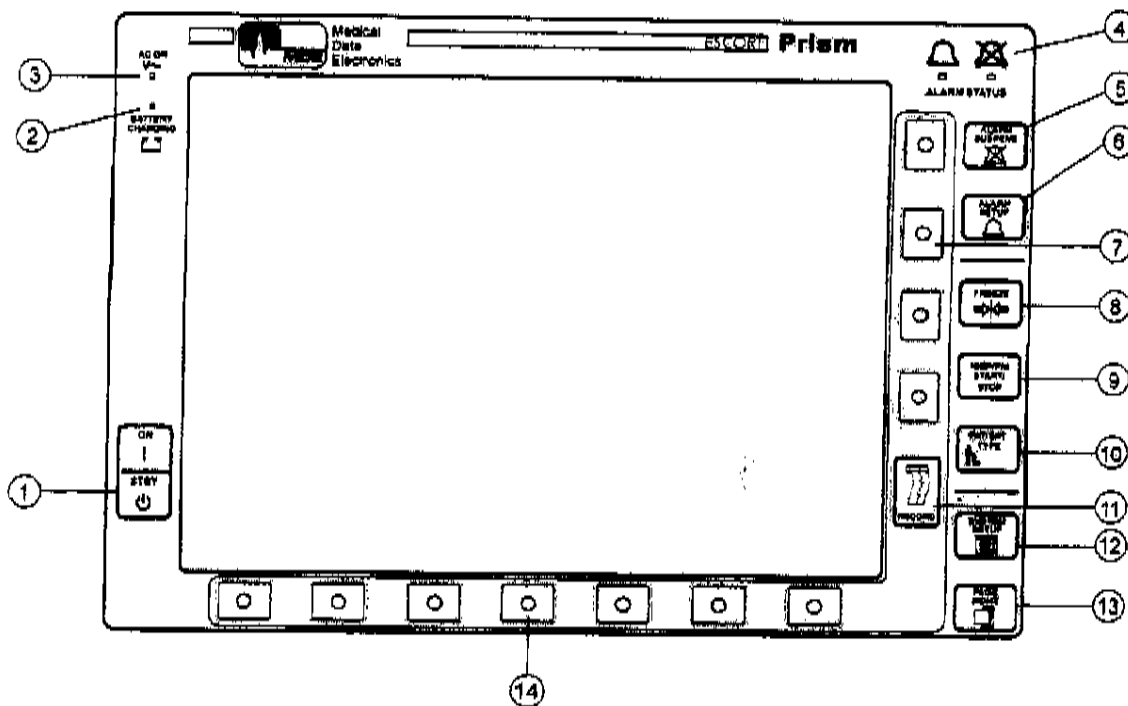


ESCORT Prism & Prism SE Patient Monitor

Prism & Prism SE Front Panel



E9040-54 Rev B

1. Monitor On/Standby Keys
2. Battery Charging Indicator
3. AC Power Indicator
4. Alarm Indicator Lights



When flashing, one or more parameters are alarming

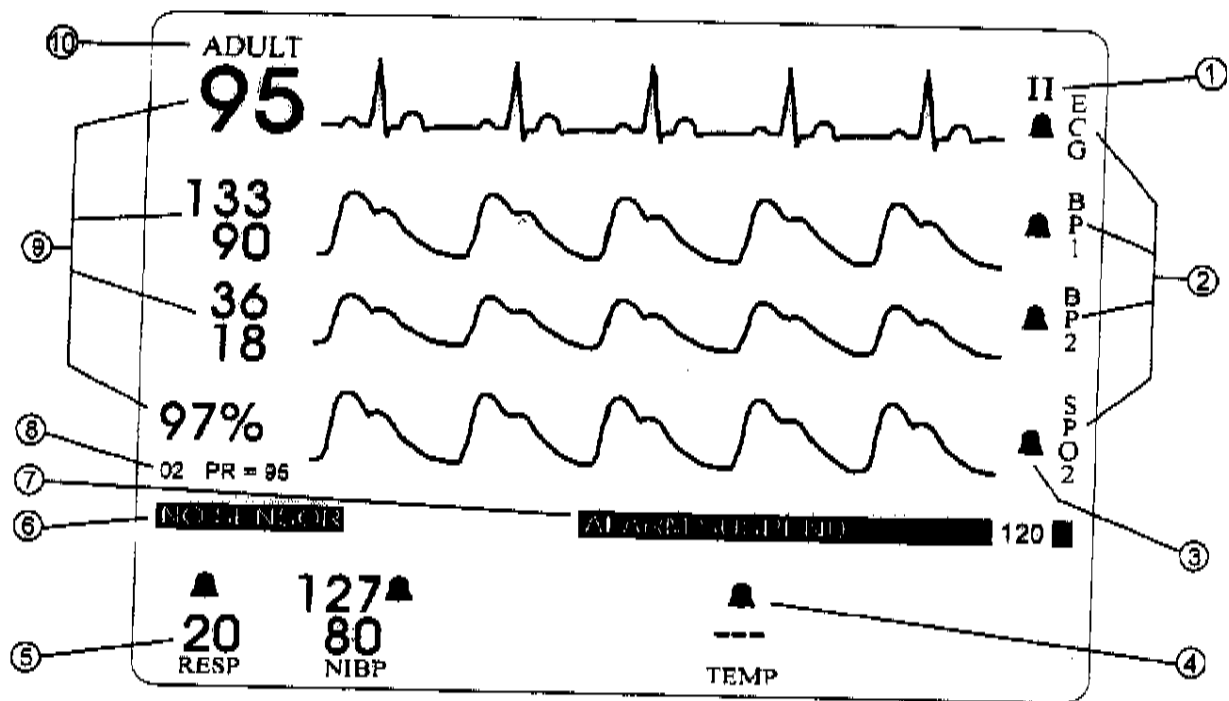


When lit, one or more alarms are suspended, OR all alarms are turned off

5. Alarm Suspend Key (180 seconds)
6. Alarm Setup Key
7. Softkeys for Parameters in Waveform Display Zone
8. Freeze/Unfreeze All Waveform Traces
9. NIBP Start/Stop Key
10. Patient Type Selection Key (Adult, Ped, Neo)
11. Start/Stop Manual Recordings
12. Display System Setup Menu
13. Return to Home Page
14. Seven Parameter/System Softkeys



Prism & Prism SE Display Screen



E9040-54 Rev B

1. ECG Lead in Use
2. Softkey Labels for Parameters Displayed in the Waveform Display Zone (WDZ)
3. Alarm Status for Parameters in the Waveform Display Zone
4. Alarm Status for Parameters In the Numeric Only Display Zone
5. Numeric-Only Display Zone
6. Message Area for Parameters in the Numeric Only Display Zone
7. System Message Area
8. Message Area for Parameters in the Waveform Display Zone
9. Waveform Display Zone with Associated Numerics
10. Current Monitoring Mode (Patient Type selected)



Alarms

- ✓ **To temporarily suspend patient alarms...**
 1. **ALARMS IN CURRENT VIOLATION** – Press the **ALARM SUSPEND** key to temporarily silence any alarm in violation. Note screen message says **ALARM SILENCED**. Alarms are silenced until silence interval on screen has elapsed OR until the alarm in violation falls within alarm settings.
—OR—
 2. **NO CURRENT ALARM VIOLATION** – Press the **ALARM SUSPEND** key to temporarily suspend all alarms. Note screen message says **ALARM SUSPEND** and suspend interval on screen.
 3. Alarms can be enabled again by pressing the **ALARM SUSPEND** key, or by waiting until the alarm suspend interval has elapsed.
- ✓ **To change alarm ON/OFF status using parameter menu...**
 1. Press the softkey next to the parameter label.
 2. Press the **ALM ON/OFF** softkey to highlight desired status.
 3. Press the **PAGE HOME** key.
- ✓ **To change alarm limits using parameter menu...**
 1. Press the softkey next to the parameter label.
 2. Press the **ALM LIM** softkey to access alarm limits menu and adjust accordingly.
- ✓ **To change alarm ON/OFF status and limits using alarm setup page...**
 1. Press the **ALARM SETUP** key.
 2. Press the **NEXT** ↑↓ → softkey to select alarm status or limit to be changed.
 3. Press the **ADJ** ↑↓ softkey to alter alarm status or limits.
 4. Press the **PAGE HOME** key.

ECG

✓ **To monitor a patient's ECG...**

1. Open the **ECG SETUP** menu by pressing the softkey next to the **ECG** label.
2. Press the **ALM LIM** softkey to adjust the values for current heart rate alarms.
3. Press the **SIZE** softkey to allow increase or decrease of **QRS** display. **QRS** needs to be at least 1/2 millivolt.
4. Press the **LEAD SEL** softkey to select desired cable and lead. This page allows choice of 3-lead or 5-lead cable.
5. Insure cable matches selected lead cable. An error message "**CHK LEADS**" may indicate device is looking for a 5-lead cable when a 3-lead cable is in use.
6. Press the **PAGE ON** softkey to activate reject/flag pacer function (if applicable).

✓ **To select a telemetry patient to monitor...**

1. Open the **ECG SETUP** menu by pressing the softkey next to the **ECG** label.
2. Press the **MORE** softkey twice to access the third ECG Setup page.
3. Press the **MODE** softkey to select **TLM** (telemetry) if it is not already selected.
4. Press the **TLM ID UP ARROW** ↑ ↑ or **DOWN ARROW** ↓ ↓ softkeys until the transmitter ID of the patient you wish to monitor appears in the ECG numeric display zone, directly under the heart rate numerics.
5. Press the **PAGE HOME** key to activate your selection. Telemetry ECG monitoring will begin automatically.

Respiration

✓ **To monitor a patient's respiration...**

1. Open the **RESP SETUP** menu by pressing the softkey next to the **RESP** label.
2. Press the **ALM ON** softkey if respiratory alarms are to be activated.
3. Press the **ALM LIM** softkey to adjust values for current respiratory high/low alarms. Apnea delay alarms can be set as needed.
4. Press the **SIZE** softkey to allow increase or decrease of **RESP** waveform. Adjusting "sensitivity" may improve count accuracy.

 **NIBP**✓ **To manually measure NIBP...**

1. Select proper cuff size and patient-monitoring mode for patient.
2. Place cuff snugly on patient with artery indicator over artery to be assessed.
3. Press the **NIBP/PNI START/STOP** key.

✓ **To set automatic intervals...**

1. Press the softkey next to the **NIBP** label to open the **NIBP SETUP** menu.
2. Press the softkey under timing interval to highlight desired interval (for example, **5MIN**).
3. Press softkey to turn **AUTO ON**.
4. Press the **NIBP/PNI START/STOP** key.
5. Note display of **A:ET** indicates auto mode is functioning and time since last reading.

SpO2✓ **To monitor a patient's SpO2...**

1. Apply sensor to appropriate sensor site on patient. SpO2 monitoring commences automatically.
2. Open the SpO2 menu by pressing softkey next to SpO2 label.
3. Press the **ALM ON** softkey if alarms are to be activated.
4. Press the **ALM LIM** softkey to adjust high and low values for saturation.

Temperature

✓ To measure a patient's Temperature with continuous probes...

1. Connect the temperature probe to monitor.
2. Press the softkey below the **TMP1** or **TMP2** label to access setup functions, if necessary. Note that if your monitor is equipped with both continuous and SureTemp capability, SureTemp is configured for **TMP1**.
3. Press the **PAGE HOME** key to activate any new setup functions.

✓ To measure a patient's Temperature with SureTemp...

1. Open the **SURETEMP** menu by pressing the softkey next to the **TMP1** label. Note current **MODE** and **SITE**. Pressing the softkeys allows changes to these settings.

NOTE: If TMP1 label is not present on monitor screen, remove probe from probe well and reinsert probe into probe well to display TMP1 label.

2. Once the **TMP1** label appears, and the **MODE** and **SITE** are established as described in Step 1, remove probe from well and place probe cover onto probe. The message on screen is **T1 WAIT**. **DO NOT** place probe into position until message reads **T1 READY** and an audible tone is heard.
3. When ready, place probe in position. **ORAL** and **RECTAL** methods require caregiver to hold probe in position.
4. An audible tone for **NORM** mode signals completion of the measurement. A message on screen displays **T1 FINAL**. The **MONIT** mode is continuous monitoring of temperature so no audible tone will occur to signal a final temperature. The message on screen notes **T1 MONITOR**.
5. Probe covers are discarded after use by "ejecting" probe cover off probe via blue/red ejects button.
6. Replacement of probe into probe well is required to "reset" device.



Recorder

✓ **Manual recordings...**

1. For ECG, press the **RECORD** key to initiate a 16 second strip.
2. For other parameters, press the **RECORD** key, and within two seconds press softkey next to vital sign label.

✓ **Dual parameter recordings...**

1. Press the **RECORD** key followed by softkeys next to each of selected parameters within two seconds.

✓ **Continuous recordings...**

1. For ECG, press and hold the **RECORD** key for approximately three seconds.
2. For all other parameters, press the **RECORD** key followed by pressing softkey next to selected parameter for approximately three seconds.

✓ **To stop a recording in progress...**

1. Press the **RECORD** key to stop current recording.

Vital Sign Chart (VSC)

✓ **To view vital sign chart...**

1. VSC can be temporarily viewed in trace slot. Press the **SYSTEM SETUP** key, then softkey under **DISP VSC**.
2. To open VSC menu, press the softkey next to the **VSC** label.
3. Press the **TABLE ↓ (↑ or →)** softkey to scroll and view vital signs.
4. Press the **TEXT SIZE** softkey to alter text size of vital signs.
5. Press the **STORE VS** softkey to manually store all vital signs currently displayed on-screen.
6. Press the **VSC SETUP** softkey to access the **AUTO** store key for timed storing of dynamic vital signs.
7. Press the **MORE** softkey to access **DEL VSC ENTRY** (allows deletion of lines of vital sign entries). **CLEAR VSC TABLE** allows deletion of entire VSC.
8. VSC can be recorded with use of bedside recorder. Press the **RECORD** key and within two seconds press softkey next to **VSC** label.
9. Letter/symbol to left of vital sign entry indicates what prompted data to be stored.

✓ **Clearing Patient Data from VSC (Vital Sign Chart)...**

1. Press the **SYSTEM SETUP** key.
2. Press the **CLEAR PT DATA** softkey and press **YES** softkey.
3. Press the **PAGE HOME** key.

✓ **To store Invasive Pressure Values to VSC...**

1. Press the softkey next to the **VSC** label to open the **VSC SETUP** menu.
2. Press the **VSC SETUP** softkey.
3. Press the **AUTO** softkey to highlight the desired storage interval.
4. Press the **PAGE HOME** key.



Assigning Parameters to Waveform Areas

✓ To assign parameters to waveform areas (Trace 2, Trace 3, Trace 4)...

1. Press the **SYSTEM SETUP** key to open the System Setup menu.
2. Press the **TRACE SEL** softkey.
3. Press the softkey under desired **TRACE** until the parameter to be displayed is highlighted. Note that the only available parameters are those that are turned **ON**.
4. Press the **PAGE HOME** key. The change will occur on the screen. Note that by selecting **AUTO**, the monitor will automatically assign parameters to traces according to the factory-defined hierarchy.

Temporarily Halt Monitoring

✓ To temporarily halt monitoring...

1. Press the **SYSTEM SETUP** key to open the System Setup menu.
2. Press the **PT SETUP** softkey.
3. Press the **SUSP ALL MONTR** softkey.
4. Press any key to resume.

Adjusting Volumes for Alarms and Tones

✓ To adjust volumes for alarms and tones...

1. Press the **SYSTEM SETUP** key to open the System Setup menu.
2. Press the **MORE** softkey.
3. Press the **VOL** softkey to cycle through the 8 volume selections. The menu that displays after pressing **VOL** also allows you to set up tone volumes for all parameter alarms.

IBP

NOTE: For optimum waveform size on screen, connect higher pressures to BP1 and lower pressures such as pulmonary artery, CVP, or ICP to BP2 and BP3.

✓ To monitor IBP...

1. Connect transducer cable to monitor. Invasive BP automatically activates on screen.
2. Insure pressure line is level with transduced vessel or its reference point.
3. Press the **MORE** softkey to access second page of menu.
4. Displayed values for **SYSTOLIC/MEAN/DIASTOLIC** are chosen by pressing the **SMD-S/D-MEAN** softkey.
5. Press the **CAL** softkey to initiate a calibration wave (waveform must be displayed in trace).

✓ To zero invasive blood pressure...

1. Press the **ALARM SUSPEND** key.
2. Turn the stopcock off to patient and open to atmospheric air.
3. Open the BP setup menu by pressing the softkey next to the **BP** label.
4. Press the softkey under **ZERO**. User can zero all invasives simultaneously through **ZERO ALL**.
5. Observe for the 00 (± 1) on screen. Turn the stopcock off to atmospheric air and open to patient.
6. Press the **ALM ON** softkey to activate alarms.
7. Press the **ALM LIM** softkey to set alarms for displayed values.
8. Press the **SIZE/SCALE** softkey to change displayed scale or to turn scale on/off. A new scale for the pressure line can be set at any time. Changing scales may be necessary to insure an appropriate waveform display.
9. Press the **SITE** softkey to cycle through site labels for invasive pressure line. Highlight desired site.
10. Press the **PAGE HOME** key.

✓ **To measure pulmonary artery pressure (PAWP)...**

1. Press the softkey next to the **PA** label.
2. Press the **PAWP** softkey. Note display initiates a background scale and slows speed of PA display to allow easier visualization of end expiratory phase of respiration.
3. Inflate balloon per manufacturer guidelines and observe for wedge waveform. The **FREEZE** key allows display to be held on screen as user allows passive balloon deflation.
4. Press the **CURSOR** ↑↓ softkeys to align cursor bar with end expiration. Note value displayed on cursor bar and at bottom of screen changes as cursor bar is moved.
5. Press the **SAVE PAWP** softkey to store PAWP value for hemodynamic calculations. Press the **FREEZE** key to release (if **FREEZE** key was used to hold display).
6. For a PA catheter that is not to be wedged, the monitor can store pulmonary artery diastolic value in place of PAWP. Press the **PAWP=CURSOR/PAD** softkey to select **PAD**.

NOTE: Storage of PAWP and CVP values requires initiation of Cardiac Output injections within 30 minutes for these values to be used for hemodynamic calculations.

✓ **To store Invasive Pressure Values to VSC...**

1. Press the softkey next to the **VSC** label to open the **VSC SETUP** menu.
2. Press the **VSC SETUP** softkey.
3. Press the **AUTO** softkey to highlight the desired storage interval.
4. Press the **PAGE HOME** key.