• The Monitor is securely attached to the UAM’s top shelf.

• Removing it for use without the UAM will void its warranty
Monitor Features

- High-resolution color display
- 5-channel waveform display: 3 ECG, RESP, SpO₂
- 7 ECG waveforms displayed simultaneously
- Standard parameters: ECG, RESP, SpO₂, NIBP, 2 Temps, Pulse rate
- Arrhythmia analysis and ST segment analysis
- 24-hour ECG waveform storage and recall
- 480-hour graphic and tabular trends for all parameters
- Protection against interference from defibrillator, electrosurgical unit
- Adult / Pediatric / Neonatal modes
- Visual and audible alarms
- Runs on internal battery for up to 4 hours
• Has a rechargeable internal battery that lasts for 4-6 hours.
• The Monitor is securely attached to the UAM’s top shelf
  • Removing it for use without the UAM will void its warranty
• Consumables are not replaced by Gradian
• Monitor provided by, but not made by Gradian
Controls and Indicators:

- Alarm indicator
- Display
- Navigation knob
- AC indicator
- Power switch
- Battery indicator
- ECG lead selector
- Alarm silence
- Waveform freeze
- Print
- NIBP start / stop
Back Panel

- Fuses
- AC power connector
- Grounding post
Included Accessories

- 1 ECG cable
- 1 *starter set* of ECG electrodes
- 1 Adult SpO2 Finger clip Sensor
  - 1 Adult NIBP cuff
  - 1 Skin TEMP probe
  - Power cord
  - Grounding wire
- User manual
- Dust cover
- UAM mounting plate
# Alarm Indicator

<table>
<thead>
<tr>
<th>INDICATOR COLOR</th>
<th>ALARM LEVEL</th>
<th>ALARM EVENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red flashing</td>
<td>High priority alarm</td>
<td>Exceeding limits, pulse stop or suffocation</td>
</tr>
<tr>
<td>Orange flashing</td>
<td>Medium priority alarm</td>
<td>Leads and probe off, critical arrhythmias</td>
</tr>
<tr>
<td>Orange light</td>
<td>Low priority alarm</td>
<td>Other arrhythmia phenomenon</td>
</tr>
<tr>
<td>Green light</td>
<td>Normal</td>
<td></td>
</tr>
</tbody>
</table>
Top

Audio alarm status:
- Alarm ON
- Alarm muted
- Alarm is OFF

Monitoring mode:
- Adult
- Infant
- Neonate

ECG filter type:
- Diagnosis
- Operation
- Monitor

Battery power indicator

Date & time

Bottom

Current status

Patient ID

Gradian Health Systems
Audio Alarm Status

Adjustable mute countdown timer: 2, 5, 10, or 20 minutes

Alarm On

Alarm volume set to 0

02:00
Adjusting Sound Volume and Other System Parameters

1. Press the Display Mode button until main display appears

1. **Press and hold** the navigation knob and release it to bring up the System Menu
2. Rotate the knob until the SETUP button is selected, if not already

3. Press the knob to bring up the SETUP screen
4. Turn knob counterclockwise until the AlmVol button is selected
5. Press the knob to highlight AlmVol button
6. Rotate knob to increase or decrease alarm volume (min: 0, max: 7, default: 5)

7. Press the Display Mode button to go back to the main display

**NOTE:** setting the volume to 0 will disable the audio alarms, which is not recommended
Adjusting Measurement Parameters

1. Press the *Display Mode* button until the main display appears

1. Rotate the knob until desired data area is highlighted by the enclosing rectangle (ECG in this example)

1. Press the knob to bring up the settings screen

1. Turn knob until the correct parameter is selected (*Lead* in this example)

2. Press the knob to highlight the parameter value

3. Rotate knob to change the value

4. Press the *Display Mode* button to go back to the main display
Alarm Volume Adjustment

In System Set Up screen:

- Maximum volume is 7
- Minimum is 0 i.e. no sound
- Default is 5

Alarm volume set to 0

NOTE: setting the volume to 0 will disable the audio alarms, which is not recommended
Start Up

- Monitor always starts up on the Time Setup screen, which remains for 10 seconds.

- If navigation knob is not rotated during this period the monitor enters the Main Screen.
Display 1 - Main Display

3 ECG Waveforms:
  I & II
  and either III, AVR, AVL, AVF or V

Plethysmograph

Respiration wave

Data

Heart rate

NIBP

SPO$_2$

Respiration

Temperature

ECG Waveforms:
  I
  &
  II
  and either
  III, AVR, AVL, AVF or V
ECG Waveforms for leads:

- I
- II
- III
- AVR
- AVL
- AVF
- V

- Heart rate
- NIBP
- SPO₂
- Respiration
- Temperature

Display 2
Option 1

7 ECG Waveforms
Display 2
Option 2  Remote Observation Display

Heart rate
Pulse rate
NIBP
SPO₂
Respiratory rate
Temperature
ECG
Pletysmograph
Data Listings

<table>
<thead>
<tr>
<th>Time</th>
<th>NIBP</th>
<th>PR</th>
<th>HR</th>
<th>RR</th>
<th>TEMPI</th>
<th>TEMPII</th>
</tr>
</thead>
<tbody>
<tr>
<td>06-08 12:35</td>
<td>121/85</td>
<td>62</td>
<td>60</td>
<td>14</td>
<td>36.5</td>
<td>37.0</td>
</tr>
<tr>
<td>06-08 12:35</td>
<td>128/83</td>
<td>61</td>
<td>60</td>
<td>14</td>
<td>36.5</td>
<td>37.0</td>
</tr>
<tr>
<td>06-08 12:35</td>
<td>123/87</td>
<td>60</td>
<td>60</td>
<td>14</td>
<td>36.6</td>
<td>37.1</td>
</tr>
<tr>
<td>06-08 12:35</td>
<td>121/89</td>
<td>62</td>
<td>60</td>
<td>14</td>
<td>36.7</td>
<td>37.1</td>
</tr>
<tr>
<td>06-08 12:35</td>
<td>120/86</td>
<td>61</td>
<td>60</td>
<td>14</td>
<td>36.5</td>
<td>37.0</td>
</tr>
<tr>
<td>06-08 12:34</td>
<td>121/88</td>
<td>60</td>
<td>60</td>
<td>14</td>
<td>36.5</td>
<td>37.1</td>
</tr>
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</tr>
<tr>
<td>06-08 12:34</td>
<td>125/83</td>
<td>61</td>
<td>60</td>
<td>14</td>
<td>36.7</td>
<td>37.1</td>
</tr>
<tr>
<td>06-08 12:32</td>
<td>124/80</td>
<td>61</td>
<td>60</td>
<td>14</td>
<td>36.6</td>
<td>37.2</td>
</tr>
<tr>
<td>06-08 12:32</td>
<td>129/82</td>
<td>62</td>
<td>60</td>
<td>14</td>
<td>36.5</td>
<td>37.0</td>
</tr>
<tr>
<td>06-08 12:31</td>
<td>121/89</td>
<td>62</td>
<td>60</td>
<td>14</td>
<td>36.5</td>
<td>37.2</td>
</tr>
</tbody>
</table>

13 lines of data shown per window

- Time Stamp every 4 seconds
- NIBP or \( \text{SaO}_2 \)
- Pulse rate, heart rate, respiration rate, temperature 1 & 2

Scroll
Trending available for heart rate, ST segment, temperature, NIBP, SPO$_2$ and respiration rate
Using the monitor without ECG

To eliminate the ECG Leads Disconnected alarm when ECG is not being used:

• Turn Monitor ON with ECG cable disconnected
More Information

Creative Medical

Patient Monitor
UP-7000

User Manual

User manual on DVD included with monitor

Gradian Health Systems

Gradian website
www.gradianhealth.org/resources/#gradian_resources
For comments or questions about service or training please contact us at:

service@gradianhealth.org

Or

WhatsApp: +1-929-280-0210