



Creative Patient Monitor UP-7000



Universal Anaesthesia Machine



- 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



Connectors



- Temp 1 probe connector
- Temp 2 probe connector
- ECG/ RESP cable connector
- SpO2 probe connector
- NIPB hose connector
- Battery compartment

- Has a re-chargeable 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 Gadian
- Monitor provided by, but not made by Gadian



Controls and Indicators:



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



INDICATOR COLOR	ALARM LEVEL	ALARM EVENT
Red flashing	High priority alarm	Exceeding limits, pulse stop or suffocation
Orange flashing	Medium priority alarm	Leads and probe off, critical arrhythmias
Orange light	Low priority alarm	Other arrhythmia phenomenon
Green light	Normal	



Border Information Area



Top

Audio alarm status:

- Alarm ON
- Alarm muted
- Alarm is OFF

Monitoring mode:

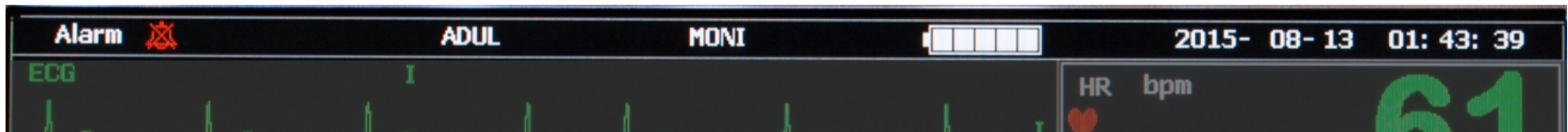
- Adult
- Infant
- Neonate

ECG filter type:

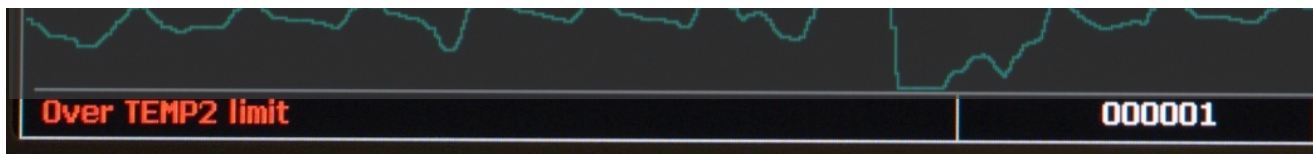
- Diagnosis
- Operation
- Monitor

Battery
power
indicator

Date & time



Bottom



Current status

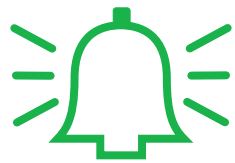
Patient ID



Audio Alarm Status



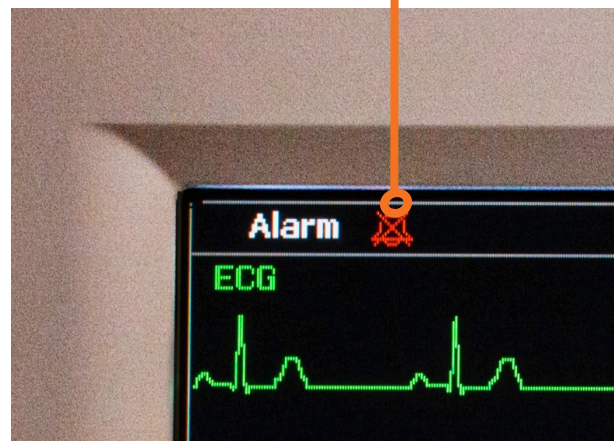
Alarm On



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



Alarm
volume
set to 0



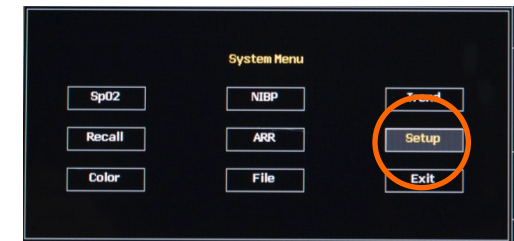
Adjusting Sound Volume and Other System Parameters



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



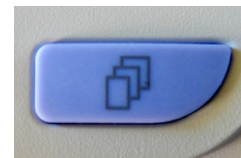
1. Press and hold the navigation knob and release it to bring up the System Menu
2. Rotate the knob until the *SETUP* button is selected, if not already



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



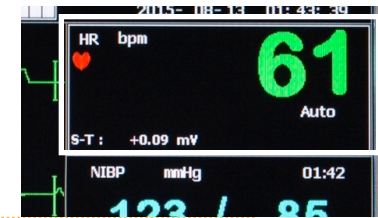
Adjusting Measurement Parameters



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



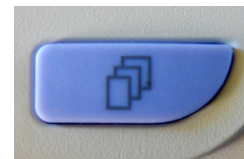
1. Rotate the knob until desired data area is highlighted by the enclosing rectangle (ECG in this example)



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

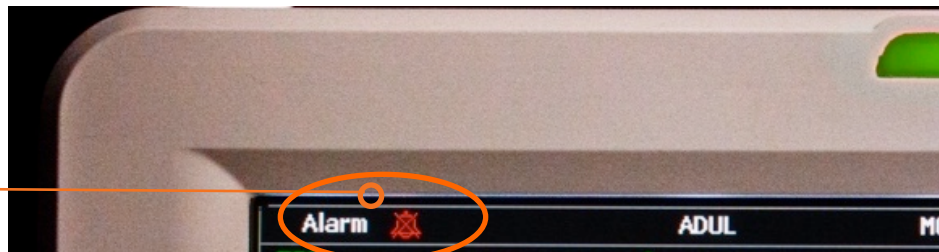
In System Set Up screen:



- 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

A screenshot of a 'Time Setup' screen. The title 'Time Setup' is centered at the top. Below it, there are two rows of input fields. The first row is labeled 'Date' and contains three boxes with the values '2004', '02', and '27' separated by hyphens. To the right of these boxes is an 'Edit' button. The second row is labeled 'Time' and contains three boxes with the values '08', '22', and '21' separated by colons. To the right of these boxes is an 'Exit' button. The 'Exit' button is highlighted with a yellow border.

- 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



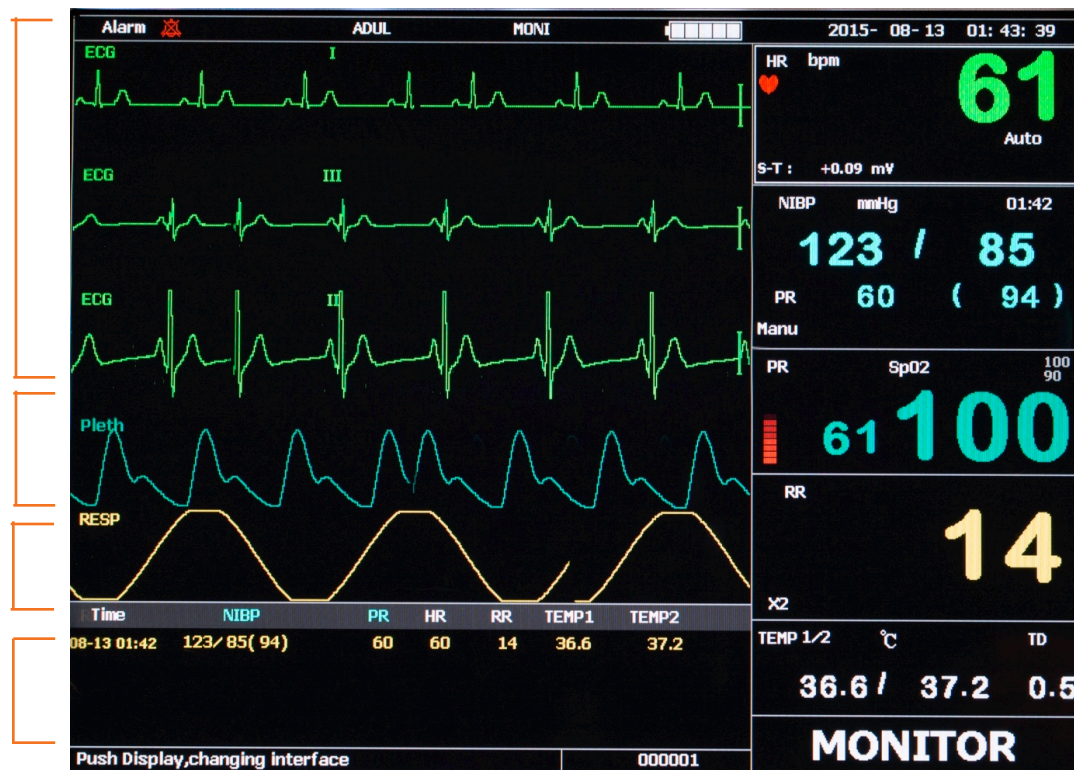
3 ECG Waveforms:

I & II
and either
III, AVR, AVL, AVF or V

Plethysmograph

Respiration wave

Data



Heart rate

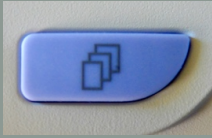
NIBP

SPO₂

Respiration

Temperature





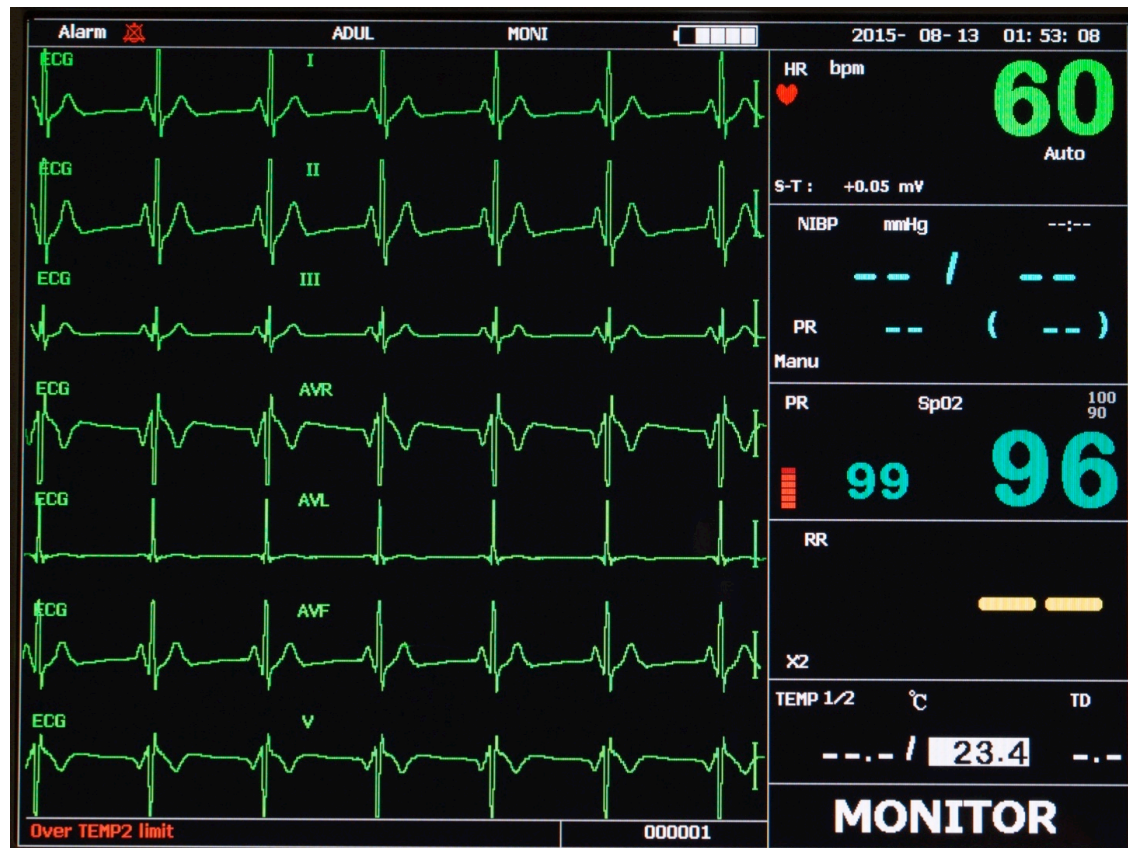
Display 2
Option 1

7 ECG Waveforms



ECG
Waveforms
for leads:

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



Heart rate

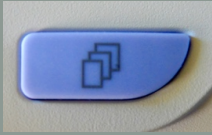
NIBP

SPO₂

Respiration

Temperature





Display 2 Option 2

Remote Observation Display



Data Listings



13 lines
of
data shown
per window

Time	NIBP	PR	HR	RR	TEMPI	TEMPII
06-08 12:35	121/ 85(93)	62	60	14	36.5	37.0
06-08 12:35	128/ 83(98)	61	60	14	36.5	37.0
06-08 12:35	123/ 87(90)	60	60	14	36.6	37.1
06-08 12:35	121/ 89(92)	62	60	14	36.7	37.1
06-08 12:35	120/ 86(94)	61	60	14	36.5	37.0
06-08 12:34	121/ 88(94)	60	60	14	36.5	37.1
06-08 12:34	122/ 86(92)	61	60	14	36.5	37.0
06-08 12:34	128/ 83(94)	60	60	14	36.6	37.0
06-08 12:34	123/ 83(99)	62	60	14	36.6	37.0
06-08 12:34	125/ 83(99)	61	60	14	36.7	37.1
06-08 12:32	124/ 80(94)	61	60	14	36.6	37.2
06-08 12:32	129/ 82(96)	62	60	14	36.5	37.0
06-08 12:31	121/ 89(90)	62	60	14	36.5	37.2

Scroll

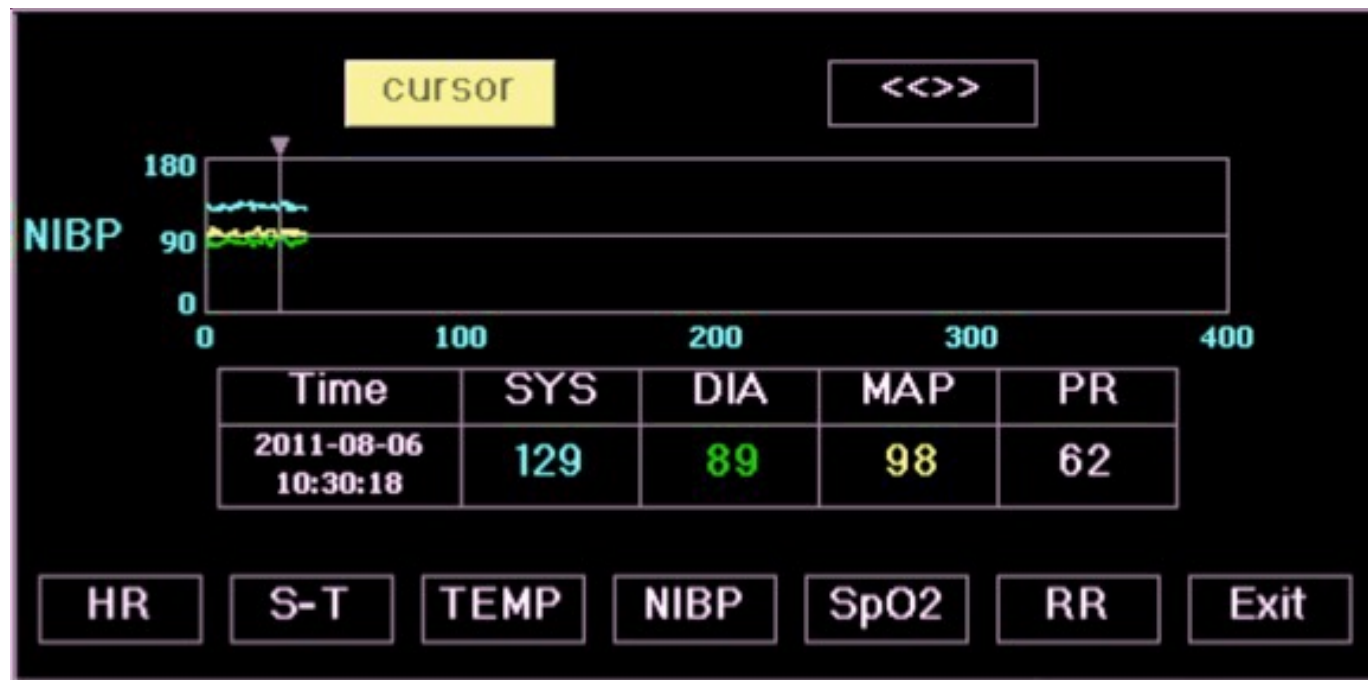
Time
Stamp
every 4
seconds

NIBP
or
SaO₂

Pulse rate, heart rate, respiration rate,
temperature 1 & 2



Trending



Trending available for heart rate, ST segment, temperature, NIBP, SPO₂ 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*



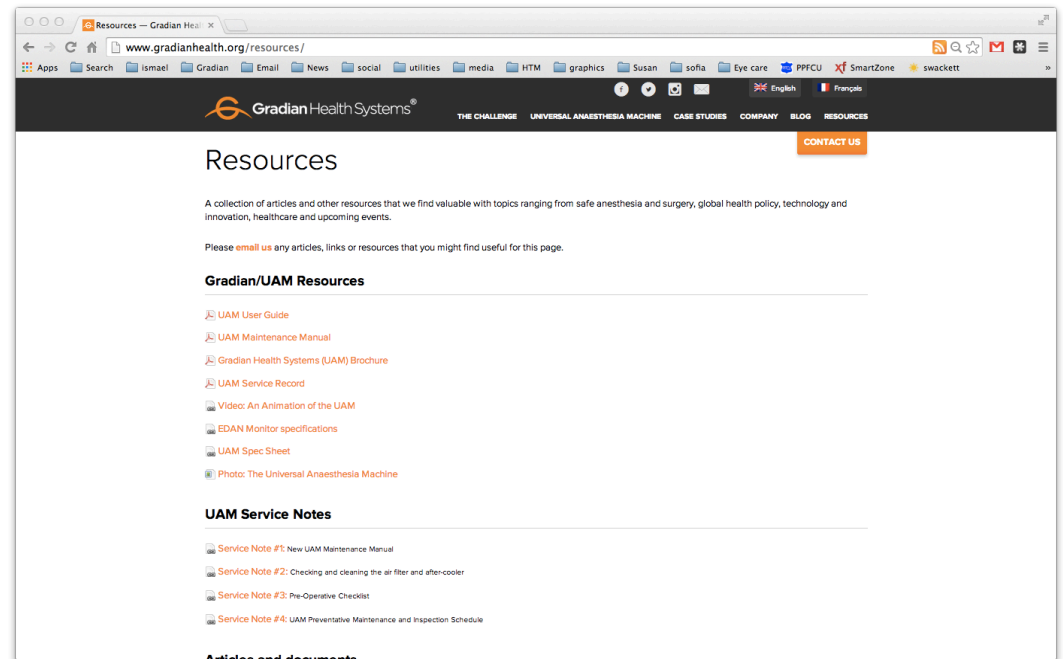
More Information



Patient Monitor
UP-7000

User Manual

User manual on DVD
included with monitor



Gradian website
www.gradianhealth.org/resources/#gradian_resources

Gradian Health Systems



For comments or questions about service
or training please contact us at:

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