

DRE ASM 6000

Multi-Function Patient Monitor

Equipment for the way *you* operate

Hospital-grade patient monitor measures NIBP, ECG, Resp., Dual Temp, SpO₂ & EtCO₂ (optional)

The DRE ASM 6000 is a true hospital grade patient monitor that sacrifices nothing in terms of quality. It features a flexible, upgradable and comprehensive software package that provides everything needed in today's demanding healthcare environment. The DRE ASM 6000 has the industry's most clinically proven technology from manufacturers such as Nellcor®, Suntech® and Oridion®.

Measures Non-invasive Blood Pressure (Suntech®), ECG (3/5 Lead), Respiration, Dual Temperature and SpO₂ (Nellcor OxiMax®). Available with EtCO₂ (Oridion®).

- Simultaneous multi-lead ECG monitoring
- Increasing/decreasing pulse tone
- Adult, pediatric, and neonate modes
- User-selectable screen formats and colors
- Large, easy to see numeric display
- Four-hour battery operation
- Optional ST and Arrhythmia Analysis
- 72 hour / 100 patients advanced trending
- Paperless USB data management
- Built-in dual channel recorder



Includes a wireless remote control
Control the DRE ASM 6000 from anywhere in your operating room!
Operates as far as 20 feet from the monitor.

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Technical Specifications

Display

Type	High resolution color TFT display
Size	8.4" (diagonally)
Resolution	800 x 600 pixels, excellent viewing for distance and angle
Parameters	ECG, Respiration, SpO ₂ , Dual NIBP, Temperature & CO ₂
Trace Speed	12.5, 25 & 50 mm/sec. for ECG & SpO ₂ 6.5, 12 & 25 mm/sec. for Respiration & CO ₂

Optical Encoder / Keys

Optical Encoder	Rapid access to all the functions and setting of parameters through single knob
Hot Keys	Quick action hot keys for alarm acknowledge, NIBP start/stop, recorder start/stop, freeze, stand by, go-to and return to the main screen

ECG Monitoring

Lead	3/5 lead with optional ST & Arrhythmia
Protection	In-built cautery & defibrillator protection
Pacer Detection	Possible
HR Range	20 to 350 bpm (± 2 bpm or 2%, whichever is greater)

Respiration (from ECG)

Principle	Impedance pneumography
PR Range	4 to 150 bpm

Pulse Oximetry (Nellcor Module)

Tone Variation	Tone variation with change in SpO ₂ values
SpO ₂ Range	1 - 100%
Accuracy: Adult	100 - 70% (± 2 digits) 0 - 69% (unspecified)
Neonates	100 - 70% (± 3 digits)
Perfusion Indicator	Bar graph showing signal strength
Modes	Normal response & fast response
Alarms	
• Low	0 - 95%
• High	5 - 100%
PR Range	20 to 230 bpm

Temperature

Channel	Dual channel
Range	0° C to 50° C (± 0.2 ° C or -0.4 ° F)
Unit	° C or ° F
	Probe compatible with YSI 400 series probes (optional)

Non-Invasive Blood Pressure (Suntech Module)

Principle	Oscillometric
Display	Systolic, Diastolic & Mean pressure
Modes	Manual, STAT (continuous 5 min. operation) and automatic (time interval 2 - 90 min. selectable)
Alarm Limits	Selection possible of r Systolic & Diastolic
Range	20 - 250 mmHg
Accuracy	± 3 mmHg

Capnography (Oridion Module)

Microstream Capnography with display of CO₂ waveform and digital values of EtCO₂, FiCO₂ & RR. CO₂ gets priority for calculating Respiration rate.

EtCO ₂ Range	0 - 99 mmHg
FiCO ₂ Range	0 - 20 mmHg
Gain	20, 40, 60, 80 mmHg
Flow Rate	50 ml/min. (-7.5 / +15 ml/min.)
Warm-up time	40 sec. (typically), Units: mmHg / Kpa / Vol%
RR Range	0 - 150 bpm

Alarms

Alarm setting for all parameters.

Patient Alarm	RED flashing with audio and message indicator
Equipment Alarm	YELLOW flashing with audio and message indicator
Alarm Suspend	Continuous YELLOW
Auto Setting	HR / PR, SpO ₂ , RR, Temperature & CO ₂
Manual Setting	HR / PR, SpO ₂ , Systolic, Diastolic, RR, Temperature & CO ₂
Re-Alarm Facility	3 min. for acknowledge alarm

Trends

72 hrs / 100 patients graphical and tabular trend for HR / PR, SpO₂, RR, Temperature & CO₂ & ST.

NIBP Trend	Last 240 readings (tabular)
Alarm Recall	Last 12 critical alarms with date & time

Recording (optional)

Type	In-built dual channel thermal array recorder for recording ECG, plethysmograph, Respiration & CO ₂ waveforms (any two-user selectable) with numerical data, NIBP & Tabular trend recording
Modes	Direct / delayed / continuous and record on alarm features

Slave Display

Dimension	Possible with external monitor
HxWxD	235 x 260 x 158 mm
Weight	4.5 kg. (with in-built battery & thermal array recorder)

Power Supply

Universal Poser	95 - 264V AC, 50 160 Hz (± 5 %)
Current Rating	0.7 A (max)
Battery Type	14.8V, (4Ah / 8Ah) Lithium ion (in-built)
Battery Operation	Rechargeable battery for 2/4 hrs of continuous operation under full charge condition (typically)
Charging Time	8 hrs. (typically)