Defibrillator Monitor DM7000

Creation With Hearts

Specification

Display

Display Type: 8 inch high resolution LCD display
Sweep Speed: 25mm/sec
Information: HR, Lead/Pads, On/Off Alarm, SpO2, AED Functions and Prompts, Alarm Se–lection and Limits, Delivered Energy.

Defibrillator

Waveform: Biphasic
Charge Time: Less than 7 seconds with a new fully charged battery.
Energy Display: Monitor display indicates both selected and delivered energy.
Charge Prompt Type: Voice and visual prompts.
Electrode Impedance Measurement Range: 0–250 ohms.

ECG Monitoring

Patient Connection: 5–lead ECG cable, or 3–lead ECG cable, paddles.
Lead Selection: Displayed on monitor, paddles, I, II, III, AVR, AVL, AVF, V.
ECG Size: 0.25, 0.5, 1, 1.5, 2, 4 cm/mV diplay on monitor.
Heart Rate: 20–300BPM.
Heart Rate Alarm: On/Off displayed on monitor, user–selectable.
Smart Alarms: Beeper/voice prompts indicate shockable rhythm.

Recorder

Paper: 50mm thermal.
Speed: 12.5mm/sec, 25mm/sec, 50mm/sec. User–selectable 6–second delay.
Printing Method: High–resolution, thermal print head.
Print–out Modes: Manual or automatic, user–configurable.
On/Off Control: Front panel and paddle.
Automatic Function: 9–seconds recording initiated by alarm activation or defibrillator charge or defibrillator discharge.

Battary

Type: Rechargeable, Ni–MH battery, 12V.
Operating Time: For a new, fully charged battery: 60 defibrillator discharges at maximum energy, or 3 hours minimum of continuous ECG monitoring.
Additional parameters will effect operating time with different functions.
AED Mode
AED Function: Auto analyze and charge X3 with programmable auto energy level selection, screen prompts, and voice prompts.
Shockable Rhythms: Ventricular fibrillation with amplitude >=200UV, ventricular tachycardia with rates >=140bpm,
and QRS complex wave duration >=140ms.
Charge Control: Control on device front panel, press key on paddle.
Prompts: Voice and visual prompts.

Manual Mode

Energy Selection: Selectable at 2, 5, 7, 10, 20, 30, 50, 70, 100, 150, 200, 300, 360 joules.
Synchronized Mode: Synchronizes defibrillator pulse to patient's R–wave. "SYNC" message displayed on monito

Specification

Specification	MB_pacer (Optional)
Type	VVI
Pulse Type	rectangular,constant current
Pulse Amplitude	0 to 180 mA ± 10% or 5 mA (whichever is greater).
Pacing Rate	Variable from 30 ppm to 180 ppm ±1.5% (increments or decrements by a value of 2 ppm)
Multi-Function Electrode (MFE)Pads	multipurpose defibrillation/pacing electrodes
Pause	Pacing pulse frequency reduced by a factor of 4 when activated
Refractory Period	NC(VVI demand do not have this specification)
Pulse Width	(20+ 1.5 ms)
Output Protection	Fully defibrillator protected and isolated

Specification	MB_EtCO2 (Optional)
Type of sensor	By-pass
Technical principle	Non-dispersiveinfraredgas analysis NDIR
Storage condition	-40 ºC to 70ºC, <90% RH, non-condensing
Operating conditions	5 ºC to 50 ºC, 10 to 90% RH, non-condensing
Ambient pressure	55-115kPa
Power supply	5 V±5% (max ripple 200 mVp-p)
TDP	Typical value120mA Excursion calibration typical value280mA
Range	0-19.7%（0－150mmHg,or 0-20kPa）
Resolution	0.1mmHg
Accuracy	0 - 40 mmHg ± 2 mmHg 41 - 70 mmHg ± 5% ofreading 71 - 100 mmHg ± 8% of reading 101 - 150 mmHg ± 10% of reading
Respiratory rate	2-150 BPM
Respiratory rate measurement accuracy	1％ ±1BPM

Specification	MB_NIBP (Optional)
Measurement unti:	mmHg/kPa
Measurement Range :	Adult:10~270 mmHg/kPa
	Pediatric:10~200 mmHg/kPa Neonatal: 10~135 mmHg/kPa
Resolution	1 mmHg
Accuracy:	Maximum mean error:5 mmHg Maximum standard deviation:8 mmHg
Type of sensor	By-pass
Technical principle	Non-dispersive infrared gas analysis NDIR
Storage condition	-40 ºC to 70ºC, <90% RH, non-condensing
Operating conditions	5 ºC to 50 ºC, 10 to 90% RH, non-condensing

Specification

Ambient pressure	55-115kPa
Power supply	5 V ±5% (max ripple 200 mVp-p)
TDP	Typical value 120mA Excursion calibration typical value 280mA
Range	0-19.7%（0－150mmHg,or 0-20kPa）
Resolution	0.1mmHg
Accuracy	0 - 40 mmHg ± 2 mmHg 41 - 70 mmHg ± 5% of reading 71 - 100 mmHg ± 8% of reading 101 - 150 mmHg ± 10% of reading
Respiratory rate	2-150 BPM
Respiratory rate measurement accuracy	1% ±1BPM

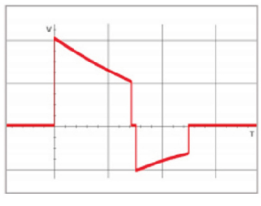
Specification	SPO2 Moudle (Optional)
Measurement Range:	30 ～100%,±2% between 80%～90%,Others ±5%
Alarm Range	User set high limit and low limit
Alarm Accuracy	±10 within setting values.
Alarm Time Accuracy	Less than 12 sec.

Product Feature

Battery Level Indicator

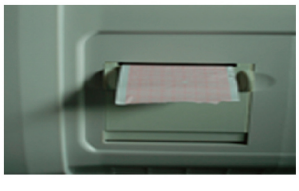
To monitor the battery real time

Biphasic Technology



With impedance compensation More effective
Less Energy and less hurt to the heart

Internal Thermal Printer



50mm integrated thermal recorder

Data Storage

65 hours of all measured parameters

Paddle:

Charging and shocking can be easily operated through according buttons

Quickly converted from adult to pediatric by removing the outer surface

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