

Vital Wave

Portable Biphasic Defibrillator

Features

- 7" colour TFT display
- Easy energy selection upto 270 joules
- Less than 8 seconds for full charge 270 joules
- More than 40 shocks on full charge battery
- Event trend and storage upto 24 HRS
- ECG acquisition via paddles & cable
- Upgradable to spo2 & NIBP

Technical Specifications

Measuring Parameters

Channel	2 Channel
Electrode	3 / 5 Leads
ECG Acquisition	Patient Cable and Paddles
Display	2 Waveforms with HR and Joules selected
Lead	Lead I, II, III, aVR, aVL, aVF, V
Gain Selection	5 / 10 / 15 / 20 mm/mv
Sweep Speed	12.5, 25 or 50 mm/sec
Heart rate range	30-240 bpm
Heart Rate Accuracy	± 2 bpm
Frequency Response	0.05 to 40 Hz
CMRR	>100 dB
Input Impedance	>100 M Ohms
ECG Filters Monitors	Monitor / Strong / Diagnostic

Recorder

Type	High Resolution thermal array recorder
Printing Speed	25 mm/sec
Printer Paper Size	57 mm x 20 Mtr.
Details on print	HR, ECG w/ f along with energy delivery, Date, Time, Patient Details (ID, name, age, sex), Joules selected, Sweep speed and Gain
Memory	24 Hrs Trend
Event Storage	25 Events

Display

Type	Color TFT display
Size	7" Diagonally
Resolution	800 x 480 Pixels

Physical Characteristics

Weight	5.4 Kg
Dimensions	403 (L) X 152 (H) X 324 (W) mm
Power Cord Length	2 Meter



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Electrical

Power Input	100-240 VAC, 50 Hz, 45 W
Battery Rating	14.8 V / 4400 mAh, Li-Polymer
Charging Time	8 Hours
Operating Time	40-50 shocks (270 joules) or more than 3 Hours monitoring without printing 5 Shocks of 20 Joules after low battery warning.
Mains Fuse	2 A/240 V

Defibrillation

Max. Charge time	8 Seconds for 270 Joule
Operating Mode	Asynchronous/Synchronous
Energy Selection (Joule)	2,3,5,7,10,20-50,70,100,150 200,250,270
Paddle Contact Indicator	Yes
Accuracy	0-20 J 2J, 30-270 J ±15%

Storage Condition

Temperature	10-50 °C
Pressure	50 Kpa - 160 Kpa
Humidity	up to 90% non-condensing

Operating Condition

Temperature	15-40 °C
Pressure	50 Kpa - 160 Kpa
Humidity	up to 90% non-condensing