



Invented in India with compassion, Made in India with Pride.

**Jeevtronics**  
sanmitra  
1000 HCT

Disruptive Cardiac Innovations

World's First **Battery-less** Dual powered (**Hand cranked and Grid**) Defibrillator



CDSCO approved

ISO13485 approved by:



INTERNATIONAL ACCREDITED SERVICE

Drop & Vibration resistant body

## Features

### SanMitra 1000 HCT

Works on AC mains AND built-in **hand cranked generator (Dual powered)**



Requires no Battery change ever



World's lowest total cost of ownership



Designed to International standards IEC60601-2-4, IEC60601-1, IEC60601-1-2



**SAMRIDH**  
HEALTHCARE BLENDED FINANCE FACILITY



**USAID**  
FROM THE AMERICAN PEOPLE

## Awards & Support

**SOCIAL alpha**



**TATA SOCIAL ENTERPRISE CHALLENGE**  
IIM CALCUTTA









**PATH**



# Product Specification & Features



## Important features of the SanMitra 1000 HCT Biphasic

-  Bi-Phasic, 200 Joules
-  Synchronous Cardioversion
-  Energy: 200 Joules
-  Weight: 5.6 kg
-  No inverter backup required. Most suitable for Ambulances.
-  Withstands drop, vibrations and water ingress.

## Useful For :

- AMBULANCES** 
- HOSPITALS** 
- OFF GRID LOCATIONS** 
- DISASTER RELIEF** 
- ARMED FORCES** 
- STADIUM** 

## STEPS




Turn ON and Crank

**STEP 01**



Apply paddles on the patient and read ECG

**STEP 02**



Select Energy and Crank

**STEP 03**



Shock

**STEP 04**

# Detailed Technical Specifications



## Waveform

- 200 J Bi-Phasic
- Energy delivery from 25-200 J
- Synchronized cardioversion included



## ECG

- Standard 3 electrodes (RA,LA,LL) As per American Heart Association guidelines
- Also through paddles
- Storage of 10 events on internal memory



## Defibrillation Mode

- Adult Bi-Phasic up to 200 J with synchronized cardioversion for treating V-Tach
- Low energy shocks starting from 25J to treat SVT and Atrial Fibrillation



## Power Source

- 230V/ 110V AC 50Hz mains power source
- Hand-crank generator as back-up power source when grid electricity fails.
- More reliable than batteries



## Charging Time

- Charges using hand-cranked generator in just 5-10 seconds.
- Charges on mains power in 6 to 7 seconds.

\* Technical specifications & design (including but not limited to shape, color etc.) are subject to change without notice.

\*\* Available on AC mains only.

\*\*\* Expected levels.



## Display & Control

- User friendly interface
- Dial for selecting desired Joules
- Alarms for High Voltage indication
- CPR Metronome
- Zoom-in/Zoom-out feature
- Heart rate Display
- Time & Date Display
- Manual and Auto Disarm for bringing device to safe voltage levels



## Event Records

- Recall of up to 10 events on internal memory card
- Automatic printing of ECG strip after each defibrillation event\*\*
- Event marker for R-Peak detection in V-Tach



## Mechanical

- Dimensions: 285mm x 350mm x 335mm (L x W x H)
- Weight: 5.6 kg (approximately)



## Environmental \*\*\*

- Temperature
  - ✓ Operating range 0 to 50°C
  - ✓ Storage range 0 to 70°C
- Humidity: 5-95% RH non-condensing
- Drop: Maximum 0.75 meters on concrete floor from a normal carrying position

Available at:

**XAVIER Med Pvt. Ltd.**

1-10-51/2, Road 6B, Dwarakapuram,  
Dilsukhnagar, Hyderabad - 500060

[www.buyxavier.com](http://www.buyxavier.com)

**Customer Care: 8008895680,  
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