

# Accu Save

## Biphasic Defibrillator Monitor



### Features

- Defibrillator with ECG monitoring and Pulse Oxymetry
- Monitoring NIBP and EtCo2 (Optional)
- Biphasic Defibrillation Technology
- Synchronized and unsynchronized shock facility
- Inbuilt Self test and Impedance measurement
- AED Feature (Optional)
- Large 8.5" Color TFT Display
- Inbuilt Thermal Printer
- 24 to 96 hours Trends Storage with Alarm status
- Simple User Friendly Operation during Emergencies
- CMS Connectivity Ethernet LAN
- Wireless data Transfer facility through GSM modem(Optional)



# Accu Save

## Biphasic Defibrillator Monitor

### Specifications

#### Safety

Meets the requirements of applicable IEC 60601 Series standards and MDD 93/42/EEC  
Follows the requirements of EN 1789 IP X4 and IP 5X

#### GENERAL:

Display : Color TFT 8.5"  
Trends : 24 96 hours  
Event Recording : Upto 50 events, Auto/Manual Capture  
Alarms: Audio Visual Alerts and Alarms for all Parameters  
Audio Visual prompts for Defibrillation steps  
Connectivity to CMS: Via Ethernet.  
Wireless connectivity - optional

#### DEFIBRILLATOR:

Technology : Current Controlled Biphasic  
Shock Impulse  
Modes : Synchronized and Unsynchronized  
(Manual) shock facility  
AED (Optional)  
Energy Levels : 2 to 360 J  
Adult Mode : 2 to 360 J in steps 2, 3, 5, 7, 10,  
20, 30, 50, 70, 100, 150, 200, 250, 300, 360 J  
Pediatric Mode : 2 to 50 J in steps 2, 3, 5, 7,  
10, 20, 30, 50 J  
Charge Time : < 10 s to 360 J with fully  
charged battery

#### ECG

Protection Protected against defibrillator and  
electro surgery potentials  
ECG Leads: 3/5/10 electrode cable options  
ECG Sources ECG Cable / Paddle / Pads  
Display Gain Scales 2.5mm/mV, 5mm/mV, 7mm/mV,  
10mm/mV, 15mm/mV, 20mm/mV, 25mm/mV, 50mm/mV  
Sweep Speed 12mm/s, 25mm/s, 50mm/s  
Frequency Response 0.5 40 Hz  
CMRR > 100db  
ECG signal  $\pm 5$  mV (Vp-p)  
Standard signal 1mV  $\pm 5\%$   
Heart Rate 15 to 300bpm  
Resolution 1bpm  
Accuracy  $\frac{1}{4}100$ bpm  $\pm 1$ ; = 100bpm  $\pm 2\%$   
Input Impedance > 5M Ohm  
(at 10 Hz, not including patient cable)  
Patient Safety Input circuit current: < 0.1 uA, Leakage  
Current : < 10 uA  
Isolation 4kV; Supply and Patient Connections  
Recovery < 5s after 5KV defibrillation  
Alarm Heart rate high and low limits alarm delay < 12s

**CURA**<sup>®</sup>

www.cura.in

Growth. Innovation. Reach

#### CURA HEALTHCARE PRIVATE LIMITED

PINNACLE BUILDING  
No: A-32, Phase-1, MEPZ SEZ,  
Tambaram Kadapperi, Chennai – 600 045, India  
Ph: 91 44 6679 2600 Fax: +91 44 4214 5444  
W: www.cura.in E: cura@cura.in

\*All other brand names/trade marks in the brochure are properties of  
their respective holders and are used for reference only.  
\*Specifications subject to change without any prior notice.

#### SpO2

SPO2 Range 0 to 100%  
Accuracy 80% to 100%:  $\pm 2$ ; 70% to 79%:  $\pm 3$ ;  
0 to 69% Unspecified  
Resolution 1%  
Pulse Rate Measurement Range 0 to 255bpm  
Resolution 1bpm  
Accuracy  $\pm 2$ bpm or  $\pm 2\%$   
Alarm delay < 7s

#### NIBP (Optional)

Technique Oscillometric  
Patient Types Adult and Infant  
Cuff Inflation Time 3-15 seconds depending on cuff size  
Cuff Inflation Pressure Adult/Infant, inflation  
pressures determined by the settings.  
Operating Modes Manual/Auto/Stat, Auto  
The Initial Inflation Pressure Adult: 140, 150, 160,  
180mmHg; Infant: 70, 100, 120mmHg  
Measurement Interval Time 1-240min  
Step: 1min(1-10min), 5min(10-30min),  
10min(30-90min), 30min(90-240min)  
Measurement Range Adult: 15 to 255 mmHg  
Infant: 15 to 135 mmHg  
Pressure Resolution 1mmHg  
Cuff Pressure Accuracy  $\pm 3$ mmHg for 0 to 280mmHg,  
Overpressure Protection Software: 280  $\pm 10$  mmHg  
(Adult) / 145  $\pm 5$  mmHg (Infant)  
Hardware: 300  $\pm 10$  mmHg (Adult) / 150  $\pm 10$  mmHg (Infant)  
Zero transducer Before every measuring  
Overtime Protection (Adult/Infant) Stop determinates  
if the measurement time exceeds 120s/90s.

#### ETCO2 (Optional)

Sampling Method Sidestream sampling system  
with a 50 ml/minute low sampling rate  
Measurement Mode Sidestream  
RR Range 0-150 rpm  
EtCO2 Range 0-100 mmHg  
Accuracy 0 - 40 mmHg,  $\pm 2$  mmHg  
41 - 70 mmHg,  $\pm 5\%$  of reading  
71 - 100 mmHg,  $\pm 8\%$  of reading  
\* NOTE: Gas temperature at 25° C  
Resolution 1 mmHg

#### POWER SUPPLY

Mains 100~230VAC  $\pm 5$  - 50/60Hz, ;  
Internal Battery 12V;  
Operating Time (fully charged battery) 2 hours typical at 25°C,  
no printing, one NIBP measurement per 15 min.  
Or 100 discharges of 200 joules  
Battery Charging Time 2 3 hr to full charge