

iVita12V



Patient Monitor

• Six parameters • 12" inch Screen • Multi-language • High capacity battery • Central Monitoring System

- 12.1" inch high-resolution TFT
- Basic Parameters : 3/5 lead ECG, NIBP, SpO2, Pulse Rate, Respiration & Dual Temperature
- Upgradable to Etco2
- Suitable for Adult/Pediatric/Neonatal Applications
- Arrhythmia/ST Segment Analysis
- Audio/Visual Alarms
- Huge Storage / Trend data
- Built-in High capacity rechargeable battery
- Connectivity with CNS
- Simple and convenient to Use
- Reliable , Sturdy & User-friendly

SPECIFICATIONS*

Physical Characteristics

Product Size: 300mmX267mmX132mmNet

Weight: 3.8kg

Operation Environment

Temperature: 0-40°C Humidity: 15-85%

Power Supply: AC100-250V, 50/60Hz

Battery Type: Rechargeable lead-acid battery

Battery Capacity: 2600mA

Battery Recharging Time: Maximum 6.5 hours for charging;

Battery working period: 2 hours for continuous working

Performance Specifications

Patient range: Adult, Pediatric, Neonatal

Display: 12.1" color TFT screen

Resolution: 800x600

Trace : 4 waveforms

Sweep Speed: 12.5mm/s, 25mm/s, 50mm/s

Indicator: Dual alarm indicator lights

Power indicator light

Battery indicator light

QRS beep and alarm sound

Operating key sound

Interface: Parameter cable interface

AC power input socket

Software upgrade through networking port or

USB port

RJ45 port

Nurse call port

Trend time: 96 hours trending

Alarm: User-adjustable High and Low 3-level Limits ;

Prioritized audible and visual alarm

Respiration

Method: impedance method

RR measurement range: Adult: 0-120bpm

Neonate:0-150bpm

Resolution: 1 rpm

RESP Apnea Alarm: 10s-40s

Alarm: Audible and visual alarm;

alarm events recallable

Sweep Speed: 6.25, 12.5, 25mm/s

Gain Selection: X1, X2, X4

ECG

Lead Type: 5 Lead and 3 lead selectable

5-lead cable: RA; LA; RL; LL; V or R; L; N; F; C

3-lead cable: RA; LA; LL or R; L; F

Lead selection: 5-lead: I; II; III; aVR; aVL

3-lead: I; II; III

Gain Selection: X0.25, X0.5, X1, X2

Sweep Speed: 12.5, 25, 50mm/s

Heart Rate Range: Adult: 15-300bpm

Pediatric/Neonate:15-350bpm

Resolution: 1 bpm

Protection: Withstand 4000VAC/50Hz voltage in isolation;
Against electro-surgical interference and defibrillation;

Accuracy: $\pm 1\%$ or $\pm 2\text{bpm}$ (whichever is greater)

Filter: ECG enlarge width:

MON: 0.5-55Hz

DIA: 0.05-150Hz

OPE: 1-20Hz

ST SEGMENT detection: -2.0mV - +2.0mV (Automatic)

Arrhythmia analysis: Yes

pacemaker detection: detectable

NIBP

Method: Automatic oscillometric

Work mode: Manual / Automatic/Continuous

Auto measure time: Adjustable(1-480min)

Measurement Unit: mmHg / Kpa selectable

Measurement types: Systolic, Diastolic, Mean

Range of systolic pressure: Adult Mode:40-270mmHg

Pediatric Mode: 40-200mmHg

Neonate Mode 40-135mmHg

Range of diastolic pressure: Adult Mode:10-215mmHg

Pediatric Mode:10-150mmHg

Neonate Mode 10-100mmHg

Range of mean pressure: Adult Mode:20-235mmHg

Pediatric Mode:20-165mmHg

Neonate Mode 20-110mmHg

Over-pressure protection: both Hardware and software over pressure protection

Accuracy: Less than 5mmHg

Resolution: 1mmHg

Alarm: Systolic, Diastolic, Mean

PR from NIBP: 40-240bpm

Temperature (Dual Channel)

Measurement range: 0-50C

TEMP sensor: Standard configuration- skin TEMP sensor,

Resolution: 0.1C

Accuracy: 0.1C (exclusive of error of sensor)

Channel: T1, T2, TD (Temperature Difference)

SPO2

Measurement & alarm range : 1~100%

Resolution: 1%

Accuracy: $\pm 2\%$ (70~100%,Ped, non-motion+

$\pm 3\%$ (70-100%, Neo, non-motion);

0-69% unspecified

Alarm range: 0~100%

Pulse rate: Range: 20~250bpm

Resolution: 1bpm

Accuracy: $\pm 3\text{bpm}$ (non-motion) $\pm 5\text{bpm}$ (motion)

Alarm range: 20~250bpm

Standard Configuration: ECG,RESP,Dual-Temp,SPO2,NIBP,PR

Optional: Thermal Recorder

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*Please note: Product specifications are subject to change without prior notice owing to product modifications, improvements / up-gradation.