

ECG, Respiration, SpO<sub>2</sub>, NIBP, Temperature

- Facility to measure many parameters: ECG (3 or 5 lead) with ST segment monitoring, respiration, dual temperature monitoring, SpO2, non-invasive blood pressure.
- Up to 8 waveforms displayed
- Multi-lead simultaneous ECG monitoring
- Auto setting of alarm limits
- Graphical / Tabular trending
- Color coded alarms
- Patient data entry
- Battery backup (2 removable batteries)
- Networking capability
- Large high resolution 15 inch screen



## **OMNI III TECHNICAL SPECIFICATIONS**

The Omni III patient monitor delivers the best performance and flexibility for the price. The Omni III features a large 15" high resolution screen while still remaining light and portable.

PHYSICAL DIMENSIONS & WEIGHT

309mm H×365mm W×159mm D Base Unit:

Weight: 7.0kgs

APPLICATION

Neonatal, pediatric and adult patients

PEFORMANCE SPECIFICATIONS

15" color TFT 1024×768 Resolution: 8 waveforms Trace:

ECG(I, II, III, aVR, aVL, aVF, V1-V6),

PLETH, RESP Indicator: Alarm indicator Power indicator

QRS beep and alarm sound

Trend time: 1- 48 hours

Recorder: Built-in, thermal array, 2 channels

Record width: 48mm Recorder paper: 50mm

25mm/s, 50mm/s Record speed:

**ECG** 

5-lead ECG cable and standard AAMI Input:

line for connection

Lead Choice: I, II, III, aVR, aVF, aVL, V, TEST

Gain Choice: ×0.5, ×1, ×2 Frequency Characteristic: 0.05~35 Hz (+3dB) ECG Waveforms: 7 channels Penetration Voltage: 4000VAC 50/60Hz 12.5. 25 and 50 mm/s Sweep Speed: HR Display Range: 30~300hpm

Accuracy ±5%, whichever is greater

Alarm Limit Range Setting:

upper limit:80~400bpm

lower limit: 20~150bpm

**RESP** 

Measure Method: RA-LL impedance Range: 0~120 rpm Accuracy: + 3 rpm Alarm Upper-lower Limit Setting:

upper limit: 6~120 rpm, lower limit: 3~120 rpm

Sweep Speed: 12.5 and 25 mm/s

**NIBP** 

Measuring Technology: automatic oscillating measurement Cuff Inflating: <30s (0~300 mmHg, standard adult cuff)

Measuring Period: AVE<40s

Mode Manual, Auto, STAT Measuring Interval in AUTO Mode 2 min~4 hrs NIBP (continue)

Pulse Rate Range: 30~250 (bpm)

Measuring Range: Adult/Pediatric Mode

> SYS 40-250 (mmHg)

DIA

15-200 (mmHg)

Neonatal Mode

SYS 40-135 (mmHg) 15-100 (mmHg)

Resolution: 1mmHg

Accuracy:

Maximum Mean error: ±5mmHg Maximum Standard deviation: 8mmHg

Overpressure Protection:

Adult Mode 280 (mmHg) Neonatal Mode 150 (mmHg)

Alarm Limit Setting

SYS 50~240 mmHg DIA 5~180 mmHa

**TEMP** 

Range: 25~50 (°C)

±0.2°C (25.0~34.9 °C) Accuracy:

±0.1°C (35.0~39.9°C) ±0.2°C (40.0~44.9 °C) ±0.3°C (45.0~50.0 °C)

Display Resolution: 0.1 °C

Alarm Upper-lower Limit Setting

upper limit 0~50 °C, lower limit 0~50 °C 2 channels

Channel: Alarm Limit Setting: 10~50 °C

SP<sub>0</sub>2

ASpO2: Anti-motion SpO2 SpO2% Range: 0-100%

SpO2 Accuracy: ±2% (70~100%, non-motion)

±3% (70~100%, motion)

Pulse Rate Range: 30-250 bpm ±2 bpm Pulse Rate Accuracy:

±3 bpm (motion)

Alarm Upper-lower Limit Setting

upper limit 70~100%.

lower limit 70~100%

SpO2 Probe

Red light LED wavelength 660nm+5nm Infrared light LED wavelength 940nm±10nm

**NETWORKING** 

Industry standard 802.11b/g wireless network

Frequency Range: 2.412 - 2.484 GHz Connected bedside number: up to 8 bedside monitors **POWER** 

Source: External AC power or internal battery AC Power: 100-240VAC, 50/60Hz, 150VA

Battery: Built-in and rechargeable

Charge Time: Operating Time: 1 hour

**ENVIRONMENTAL SPECIFICATIONS** 

Temperature:

5~40 °C Operating: -10~45 °C Storage:

Humidity range:

≤80 % Operating: Storage: <80 %

**BATTERY** 

Rechargeable Lead-Acid

Operating time under the normal condition - 1 hour

Operating time after the first alarm of low battery - 10 minutes

**RECORDER (OPTION)** 

Record Width 48 (mm) Paper Speed 25 (mm/S)

Trace

**FUSE (SELF-RECOVERY)** Input fuse: 3.15A/250V

LIFETIME

8 Years

Authorized Distributor:



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