

# 5 Parameter Patient Monitor 12.1" Model No: (IEPM 110)



## 5 Parameter Patient Monitor 12.1" Supplied by Ambulance Products India

### Specs :-

#### Quality Standards and Classification

CE, ISO13485

SFDA: Class II b

Anti-electroshock degree:

Class I equipment

(internal power supply)

TEMP/SpO<sub>2</sub> /NIBP: BF

ECG/Resp: CF

#### Application Range

Adult / Paediatric / Neonatal / Medicine / Surgery /

Operating Room / ICU / CCU

Display

12.1" real color TFT screen

#### Environment

Operating environment :

Temperature: 0 ~40 C

Humidity: 15%~80%

Pressure: 86.0 kPa~106.0kPa

Transport and Storage environment :

Temperature: -20 ~55 C

Humidity: 10%~90%

Pressure: 86.0 kPa~106.0kPa



## **Power Requirements**

AC: 100 - 240V, 50Hz/60Hz

DC: Built-in rechargeable battery

Battery: 11.1V 24wh Li-ion battery

2h operating after full charge

5min operating after low battery alarm

## **Dimension and Weight**

Equipment:

340mm x 245mm x134 mm (about);

2.798kg (about)

Package:

380mm x350 mm x 300mm; 4.598 kg (about)

## **Date Storage**

Trend diagram/table: 7x24h

N I BP review: 400 events

Wave review: 100min

Alarm review: 100 alarm events

Support drug concentration titration analysis

## **ECG**

5 Leads: RA, LA, LL, RL, V

Lead mode: I, II, III, AVR, AVL, AVF, V

Gain: x 1.25mm/mV, 2.5mm/mV,

5.0mm/mV, 10mm/mV,

20mm/mV (error $\geq$  5%)

Sweep speed: 6.25mm/s, 12.5mm/s, 25mm/s,

50mm/s (error  $\geq \pm$  10%)

Bandwidth: Surgery 1~25 Hz

Monitor 0.5 ~40 Hz

Diagnostic 0.05 ~130 Hz

Sensitivity: >200  $\mu$  V P-P

CMRR:  $\geq$ 112dB

Differential Input Impedance: >5M

ohm Electrode Offset Potential:  $\pm$ 300mV

Polarization Voltage:  $\geq \pm$  500mV

Input Impedance:  $\geq$  5 M

Calibration Voltage: 1 mV  $\pm$  5%

## **ST Segment**

ST Segment Range: -2.0mV ~ +2.0mV

Accuracy: 0.02mV

## **NIBP**

Method: Oscillometry

Measure mode: Manual, Auto, STAT

Measure interval in auto mode:

1~5/10/15/30/60/90/120/180/240/480min

Measure period in STAT mode: 5min

Pulse rate range: 40 ~240bpm

Measure & alarm range:

Adult

SYS 40~280mmHg

DIA 10~220mmHg

MEAN 20~240mmHg

Paediatric

SYS 40~220mmHg

DIA 10~160mmHg

MEAN 20~170mmHg

Neonatal

SYS 40~135mmHg

DIA 10~100mmHg

MEAN 20~110mmHg

Static pressure measurement

Range: 0 ~ 300mmHg

Accuracy:  $\pm 3$ mmHg

Resolution: 1 mmHg Accuracy:

Max. Mean Error:  $\pm 5$ mmHg

Max. Standard Deviation: 8mmHg

Overpressure protection:

Adult 300mmHg

Paediatric 240mmHg

Neonatal 150mmHg

## **SpO2**

Measurement range: 0~100%

Resolution: 1%

Accuracy: 70%~100%  $\pm 2\%$

40%~69%  $\pm 3\%$

## **Pulse Rate**

Measure/alarm range: 20 ~300bpm

Resolution: 1 bpm

Accuracy:  $\pm 3$ bpm



## **RESP**

Method: impedance between RA-LL

Resp Impedance range: 0.3 - 3 ?

Base Impedance range: 200 Q - 4000 ?

Bandwidth: 0.3~2.5Hz

Gain: x 0.25, x 0.5, x 1, x 2, x 4

Resp rate:

Measurement Range

Adult 0~120BrPM

Neonatal/Paediatric 0~150BrPM

Resolution: 1BrPM

Accuracy: 7~150BrPM ( $\pm$  2BrPM)

0 - 6BrPM (unspecified)

Apnea Alarm: 10 ~40s

## **TEMP**

Channel 2

Measure & alarm range: 0~50 °C

Resolution: 0.1 °C

Accuracy (no sensor):  $\pm$ 0.1 C (0~50 °C)

## **Standard accessories**

- NIBP cuff & tube
- ECG cable & electrodes
- SpO2 sensor
- TEMP probe
- Lithium-ion battery
- Power cable
- Operator's manual

We are Exporters and Suppliers of 5 Parameter Patient Monitor 12.1" at competitive prices from India.

## **MODEL NO.**

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