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**Product Name :**

Monitor,patient,portable,w/access

**Product Code :**

LBNY-0017-220002



www.laboratoryinstrumentindia.com

**Description :**

Vital signs monitors are used to measure basic physiologic parameters and track the status of low-acuity patients (patients found in medical-surgical areas, emergency departments, and ambulatory care centres) so that clinicians can be informed of changes in a patient's condition.

Patient vital signs monitor, 6 parameters, suitable for adults, paediatric/infants and newborn patients.

**Technical Specification :**

Monitoring 6-parameters: ECG and Heart Rate (HR), Respiratory Rate (RR), SpO<sub>2</sub>, non-invasive blood pressure, and Temperature.

Adjustable signal amplitude and sensitivity.

Colour flat panel display ? 10.4 inches.

Multi-waveform and parameters visualization, up to 7 wave forms simultaneously.

Ability to remove unwanted parameters from display.

Defibrillator sync and protection.

Patient information and trend internal database.

Ability to save a minimum of 72 events.

Trend storage ? 24 hours.

Data and network interface, LAN, USB or equivalent.

Suitable for standard bed/wall rail and pole stand mount.

Robust design for use in demanding environment.

Designed for frequent and easy dismount and disinfection with hospital-grade products.

Automatic self-test and continuous system monitoring.

Built-in rechargeable battery, autonomy of at least 2 hours.

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Automatic switch to battery in case of power failure, automatic recharge on connection to mains.  
Power cable at least 3 meter long.

Electrical protection provided by fuses in both live and neutral supply lines.

Power requirements: 100 - 240 Volts - 50/60 Hz (not necessarily in a single unit).

#### RESPIRATION RATE (RR)

The adult RR measurement range is equal to or better than: 6 – 120 bpm.

The paediatric/neonatal RR measurement range is equal to or better than: 6 – 150 bpm.

68.1 Select your answer from the below drop-down menu.

68.2 Indicate here the actual specification of the offered unit.

The resolution of the RR is equal to or better than: 1 bpm.

#### ELECTROCARDIOGRAM (ECG) AND HEART RATE (HR)

The ECG is derived from a minimum of 5-leads I, II, III, aVR, aVL, aVF, V.

The unit allows for a simultaneously display of a minimum of 2 ECG traces.

The accuracy of the HR is equal or better than  $\pm 1$  bpm or 1%.

The resolution of the HR is equal or better than: 1 bpm.

The unit provides for S-T analyses on ECGs.

The unit provide for arrhythmia analysis on the ECGs.

The unit is equipped with a standardising marker at 1 mV.

The adult HR measurement range is equal to or better than: 15 – 300 bpm.

The paediatrics/neonates HR measurement range is equal to or better than: 30 – 300 bpm.

#### TEMPERATURE (T)

The temperature measurement range is equal to or better than: 0 - 50°C.

The temperature resolution is equal to or better than: 0.1°C or better.

The temperature accuracy is equal to or better than:  $\pm 0.1^\circ\text{C}$ .

#### OXYGEN SATURATION (SpO<sub>2</sub>)

The SpO<sub>2</sub> measurement range is equal to or better than: 1 – 100%.

The resolution of the SpO<sub>2</sub> is equal to or better than: 1% or better.

The accuracy of the SpO<sub>2</sub> is equal to or better than:  $\pm 3\%$  between 70% - 100%.

The HR detection range derived from the SpO<sub>2</sub> is equal to or better than: 25 – 250 bpm.

The accuracy of the HR detection is equal to or better than:  $\pm 2$  bpm or  $\pm 2\%$ , whichever is greater (static).

#### ALARM FUNCTIONALITIES

The unit provide audio-visual alarms for all monitored parameters

The unit allows for user pre-set of high and low alarms for all monitored parameters for each different patient category.

The alarm has override and temporary silence functions.

The unit generates alarms for leads-off or sensor disconnect or sensor failure.

The unit is provided with an apnoea alarm.

The unit is equipped with an alarm for AC status and low battery.

#### NON-INVASIVE BLOOD PRESSURE (NIBP)

The NIBP is measured through the oscillometric step deflation method.

The unit supports manual and automatic modes.

The unit allows for adjustable inflation pressure.

The NIBP adult range in minimum diastolic and maximum systolic values should be equal or better than: 10 – 270 mmHg.

The NIBP paediatric NIBP measurement range in minimum diastolic and maximum systolic values should be equal or better than: 10 – 200 mmHg.

The BP neonatal measurement range in minimum diastolic and maximum systolic values should be equal or

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better than: 10 – 135 mmHg.

The resolution of the NIBP is equal to or better than: 1 mmHg or better.

The minimum average error for the NIBP is:  $\pm 5$  mmHg (0.7 kPa), Standard deviation:  $\pm 8$  mmHg (1.1 kPa).

#### SUPPLIED WITH

Instructions for assembly, use and maintenance in English.

1 x Plastic protective dustcover.

1 x set of spare fuses, if required.

1 x wall mount bracket.

1 x spare rechargeable battery pack.

ECG accessories:

- 2 x sets of electrodes (1 x neonatal/paediatric, 1 x adult).

- 2 x sets of patient cable terminals (1 x neonatal/paediatric, 1 x adult).

Temperature sensors:

- 2 x skin temperature probes including cable.

NIBP accessories:

- 3 x blood pressure cuffs (1 x neonatal, 1 x paediatric, 1 x adult).

- 3 x NIBP hoses (1 x neonatal, 1 x paediatric, 1 x adult).

SpO<sub>2</sub> transducers, including connection cable:

- 3 x neonatal size, reusable clip-on type.

- 10 x neonatal size, single-use, wrap-around type.

- 2 x adult size, reusable clip-on type.

- 2 x paediatric size, reusable clip-on type.



**Laboratory Instrument India**