

# Allengers

Passion for excellence



STURDY **SLIM** MULTIPARA MONITOR



## LIBRA

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Allengers Multipara Monitors are designed using state-of-the-art technology. Allengers Libra which can display multiple parameters like ECG, Respiration SPO2, NIBP, Temperature, dual IBP and ETCO2. It's wide range of options for continuous monitoring of patient care with its compact portable design and central monitoring station.

## ENHANCED VISIBILITY

- Customized to view waveforms and numeric value.
- Big fonts for better view the vital signs.
- Both audio and visual alarms for vital signs.
- Night mode for patient comfort and to enhance TFT life.
- Special mode for viewing parameter values from a distance.
- Optional - external VGA display connectivity.

## DISPLAY FORMATS



Upto 12 waveforms can be displayed at any time

The screenshot shows the monitor's patient information screen. The patient's name is KAMAL DEV, PAT ID is HO-BED04, and AGE is 29 years. The screen includes a menu bar at the bottom with options: HR SPK ON, PATIENT, SETUP, DISP SET, SAVE SET, SEL USER, REVIEW.

PATIENT INFO	
NAME	KAMAL DEV
PAT ID	HO-BED04
BED NUMBER	04
AGE (Yrs)	29
AGE (Months)	11
HEIGHT (Cms)	171
WEIGHT (Kg)	75
GENDER	MALE
NEW PATIENT	NO (CLEAR OLD PATIENT DATA?)

The screenshot shows the monitor's setup screen. The screen includes a menu bar at the bottom with options: HR SPK ON, PATIENT, SETUP, DISP SET, SAVE SET, SEL USER, REVIEW.

SETUP	
DATE (DD-MM-YY)	24 08 2022
TIME (HH-MM)	15 37
FREEZE TIME	OFF
AL SILENCE TIME	5 Min
NURSE CALL	OFF
LOAD SETUP	ICU
LOAD ALL FACTORY SETTINGS	NO
LOAD FACTORY SETTING FOR CURRENT USER	NO

PRINTER		CMS WiFi	
PRINTER	OFF	CMS IP	
PRE TIME	-1	MONITOR	11
WAVE1	I	SSID	ALLENGEERS CMS
WAVE2	II	KEY	ALLENGEERS CMS
SPEED mm/s	12.5		
PRINT ON ALARM	ON	APPLY	

Single click to access the master settings

## DISPLAY TYPE



Different types of display mode which can easily visible from distance

## MEMORY AND APPLICATIONS

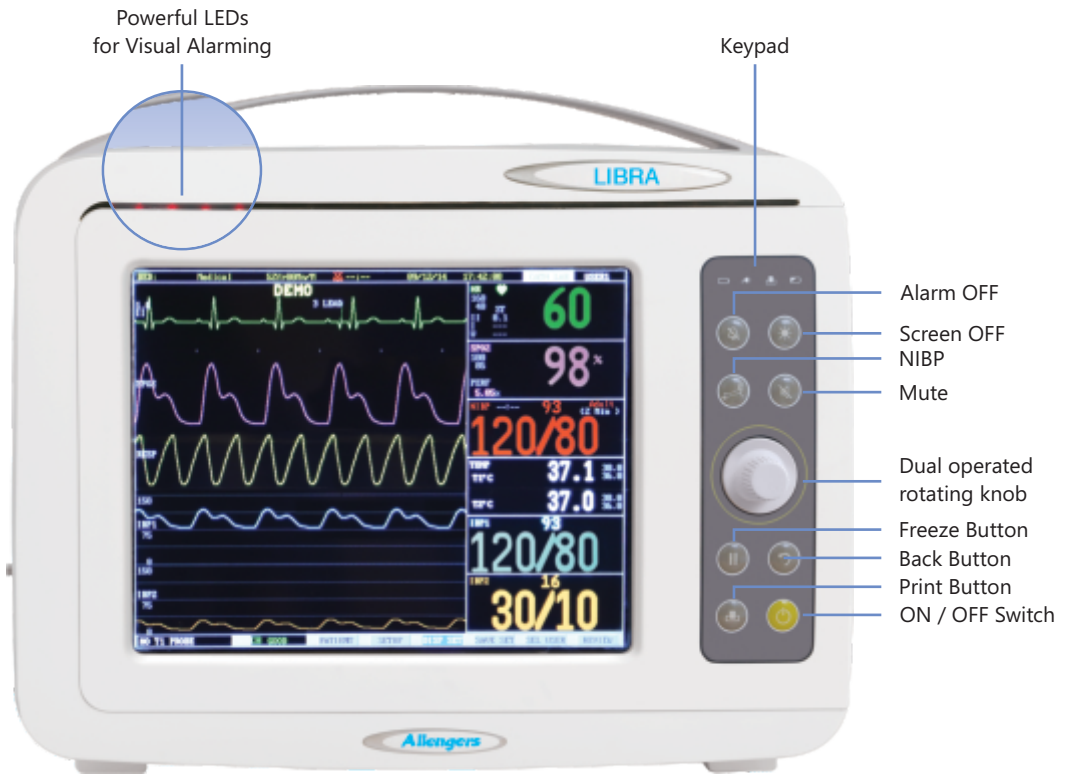
- 1000 readings of NIBP.
- 96 hours graphical and tabular non-volatile trend.
- 16 events with waveform recording of alarm conditions.
- ST segment and arrhythmia detection and analysis.
- Compatible with Allengers Central Monitoring System (CMS) Wired/Wireless (optional).
- Display modes - demo mode, night mode and customize view for selected parameters and waveforms.



1000 NIBP trends storage

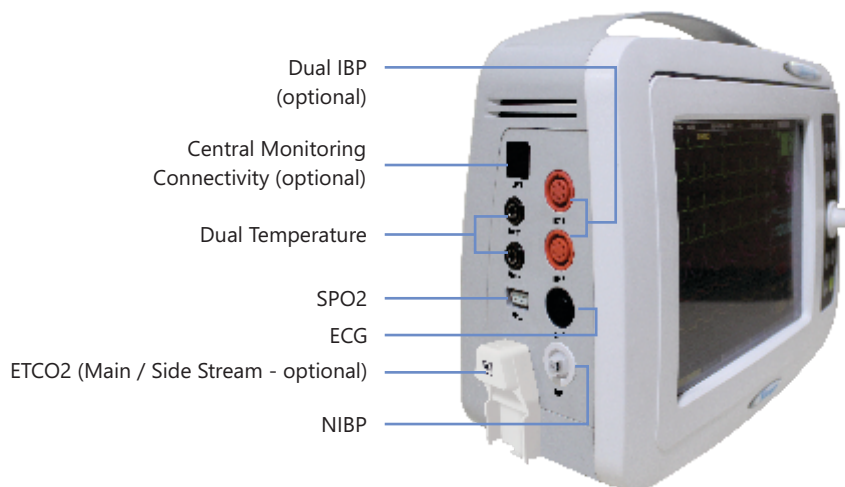


Alarm recall



## FEATURES

- 10.4" Large TFT screen for better visibility.
- 800 x 600 resolutions with clear waveform and easy to read numeric values.
- Configurable wave form display.
- Direct key operation for all important functions.
- Adult, pediatric and neonate applications.
- Field upgradable to dual IBP & EtCO2.
- High class unbreakable material with suitable for transit monitoring.
- Use on adult, pediatric, neonatal modes



## SPECIFICATIONS

### DISPLAY

Screen Type	: Color TFT
Display Area	: 10.4"
Resolution	: 800 x 600
Trend	: 1000 readings of NIBP, 96 hrs for all other parameters
Waveforms	: Up to 12 waveforms can be displayed at any time. Numeric display include HR / PR / SpO <sub>2</sub> % / NIBP with MAP / Resp. / temperature 1 and 2, IBP1 & 2, Co2
Application	: Adult, pediatric, neonatal modes

### ELECTRICAL

Internal Battery	: 11.1V, Lithium-ion, rechargeable
Charging Time	: Max. 8 hours to full capacity
Battery Backup	: 3 hrs.
Operation	: AC / DC operation
AC Mains	: 1Φ, 100-240 VAC, 50 / 60 Hz, 0.5 Amp.
Electrical Protections	: Class II

### ENVIRONMENTAL AND OPERATING CONDITIONS

Operating Temp.	: 5 To 40° C
Operating Humidity	: 0 to 75 % RH, non-condensing
Storing Temp.	: 0 to 40° C

### ECG

Leads Selection	: I, II, III, aVR, aVL, aVF, V in 5 lead configuration and I / II / III in 3 lead configuration
Heart Rate Range	: 30 to 300 bpm
Heart Rate Accuracy	: ± 3 bpm
Bandwidth	: Diagnostic Mode - 0.05 to 100 Hz Monitor Mode - 0.5 to 35 Hz Electro Surgical Mode - 1 to 20 Hz
Sweep Speed	: 6.25, 12.5, 25, 50 mm / sec
ECG Sensitivity	: 2, 1, 0.5, 0.25 mV / cm
Lead Off Detection	: Detected and displayed
Arrhythmia	: Selectable arrhythmia detection
CMMR	: > 90 dB
Defib Protection	: Protected against 360 JOULE discharge and electrostatic potentials
Cautery Protection	: Protected against external cautery interference

### RESPIRATION

Technique	: Trans-thoracic impedance
Range	: 4 to 120 breath / min.
Accuracy	: ± 2 or ± 3% breath / min.
Resolution	: 1 breath / min.
Display Sweep Speed	: 6.25, 12.5, 25 mm / sec.

### SpO<sub>2</sub>

Saturation Range	: 30% to 100%
Pulse Rate	: 30 bpm to 250 bpm
Accuracy	: 70% to 100% ± 2 digits 50% to 69% ± 3 digits 30% to 49% unspecified
Pulse Rate Accuracy	: ± 3 bpm

### NIBP

Method	: Automatic Oscillometric
Measurement Range	: 10 - 270 mmHg Accuracy ±5mmHg
Modes	: Auto : 2, 3, 5, 10, 20, 30, 60 & 120 minutes Manual : Single measurement initiated by NIBP start / stop switch Stat Mode : Continuous readings are taken for 5 min.
Initial Cuff Inflation	: Adult : 160 mmHg, Pediatric : 130 mmHg, Neonate : 110 mmHg
Pulse Rate Range	: 40 to 240 bpm

### TEMPERATURE

Range	: 0 to 50°C
Accuracy	: ±0.1°C
Channel	: Dual

### GENERAL

Size	: W 360 mm x H 270 mm x L 170 mm
Weight	: < 5 Kgs

### OPTIONAL

#### IBP

Measurement Range	: -10 to 300 mmHg
Channels	: 2 channels
Accuracy	: ± 1 mmHg or ± 2%, which ever is greater

#### ETCO<sub>2</sub>

Method	: Side stream or main stream
Measurement Range	: 0 to 99 mmHg
Accuracy	: ± 2 mmHg @ <5% Co2

#### PRINTER

Thermal Paper	: Thermal printer
Print Channel	: Dual channel printing

### CONNECTIVITY

Networking	: Two way central monitoring station connectivity wired/wireless (optional).
External Display	: Connectivity to external video display



## ACCESSORIES



5 Lead ECG Cable



Temperature Probe



SPO2 Probe



NIBP Cuff



Water Trap



IBP Transducer Kit

### BLAZE-prime (65 W)

Advanced short and long pulse laser with compressor based turbo cooling system.

**MORE THAN 300 CASES SUCCESSFULLY PERFORMED  
ON BLAZE-prime 65W IN INDIA**

### APPLICATIONS

HoLEP, BPH treatment, Tumor (Bladder / UUT), BNI and Strictures.  
Lithotripsy, Retrograde Intrarenal Surgery (RIRS), Ureteroscopy (URS),  
Percutaneous Nephrolithotomy (PCNL) - Mini perc -Micro perc.



**HOLMIUM LASER**

### ALLENGERS OTHER PRODUCTS

- **CARDIOLOGY** : - Tread Mill Test (TMT) - Multipara Monitor (MPM) - Electrocardiogram (ECG 3, 6 & 12 CH) - Holter - Cathlab Fixed/Mobile
- **NEUROLOGY** : - Electromyograph (EMG) - Polysomnograph (PSG) - Electroencephalograph (EEG)
- **UROLOGY** : - Holmium Laser (30W / 35W / 65W)
- **RADIOLOGY** ■ **ORTHO, GASTRO, NEURO SURGERY & INTERVENTIONAL** ■ **HEALTHCARE SOFTWARE**

MANUFACTURED & MARKETED DOMESTICALLY BY :

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For detailed technical specifications, please refer to the respective product data sheets / quotation.

Due to continuous product improvements, specifications and appearance are subject to change without prior notice.