

Allengers

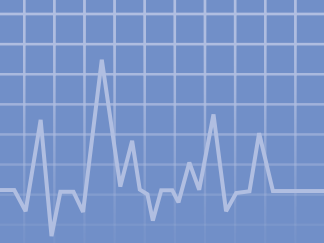
Passion for excellence



STURDY **SLIM** MULTIPARA MONITOR



LIBRA SERIES



SLIM

MULTIPARA MONITOR

User Friendly Ease of Operation

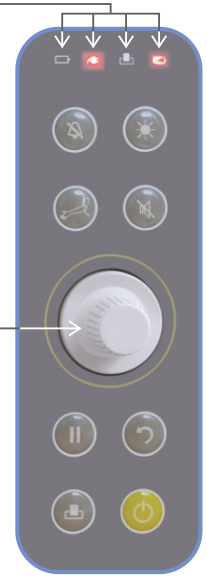


- 10.4" / 12.1" Large TFT screen for better visibility.
- 800 x 600 resolutions with clear waveform and easy to read numeric values.
- Configurable wave form display.
- Direct key operation for all important functions.
- Adult, pediatric and neonate applications.
- Field upgradable to dual IBP & EtCO2.
- High class unbreakable material with suitable for transit monitoring.

Mounting option

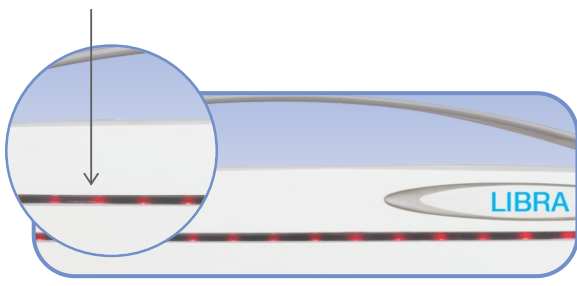


Battery status, indicator for mains, paper out and low battery status



Single knob to browse menus/sub menus

Powerful LEDs for Visual Alarming



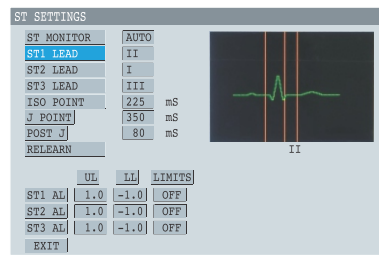
ENHANCED VISIBILITY



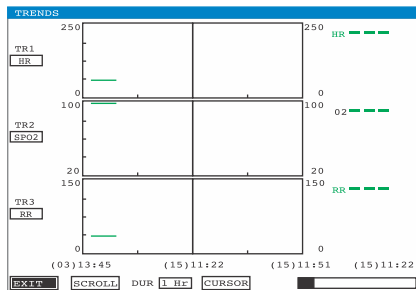
- Customized to view waveforms and numeric value.
- Big fonts for better view the vital signs.
- Both audio and visual alarms for vital signs.
- Night mode for patient comfort and to enhance TFT life.
- Special mode for viewing parameter values from a distance.
- Optional - external VGA display connectivity.

MEMORY AND APPLICATIONS

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



TRENDS DISPLAY



(D) TIME	HR	O2	RR	T1	T2	IBP1			IBP2			CO2		
						SYS	DIA	MAP	SYS	DIA	MAP	Et	F _i	
(03)13:45	---	---	---	---	---	---	---	---	---	---	---	---	---	---
(03)13:46	---	---	---	---	---	---	---	---	---	---	---	---	---	---
(12)12:06	58	98	31	37.0	37.1	120	80	93	30	10	16	38	0	
(12)12:07	58	98	31	37.0	37.1	120	80	93	30	10	16	38	0	
(12)12:08	58	98	31	37.0	37.1	120	80	93	30	10	16	38	0	
(12)12:09	58	98	31	37.0	37.1	120	80	93	30	10	16	38	0	
(12)12:10	58	98	31	37.0	37.1	120	80	93	30	10	16	38	0	
(12)12:11	58	98	31	37.0	37.1	120	80	93	30	10	16	38	0	
(12)12:12	58	98	31	37.0	37.1	120	80	93	30	10	16	38	0	
(12)12:13	---	---	---	---	---	---	---	---	---	---	---	---	---	

BRIO

Available in 12" touch coloured display with Windows operating system based technology with data transfer and upgrade software through USB, 24 hr. full waveform disclosure, 1000 alarms snap shot storage with zoom facility and many others advance features.



SPECIFICATIONS

DISPLAY

Screen Type	: Color TFT
Display Area	: 10.4" / 12.1"
Resolution	: 800 x 600
Networking	: Two way central nursing station connectivity
External Display	: Connectivity to external video display (optional)
Trend	: 1000 readings of NIBP, 96 hrs for all other parameters
Waveforms	: Up to 8 waveforms can be displayed at any time. Numeric display include HR / PR / SpO ₂ % / NIBP with MAP / Resp. / temperature 1 and 2, IBP1 & 2, CO2

ELECTRICAL

Internal Battery	: 11.1V, Lithium-ion, rechargeable
Charging Time	: Max. 12 hours to full capacity
Battery Backup	: Approx. 2.5 hrs.
Operation	: AC / DC operation
AC Mains	: 1 ϕ , 85-264V AC, 50/60 Hz, 0.5 Amp.
Electrical Protections	: Class II

ENVIRONMENTAL AND OPERATING CONDITIONS

Operating Temperature	: 5 To 50° C
Operating Humidity	: 5 to 95 % RH, non-condensing
Storing Temperature	: 5 to 50° C

ECG

Leads Selection	: I, II, III, aVR, aVL, aVF, V in 5 lead configuration
Heart Rate Range	: 20 to 300 bpm
Heart Rate Accuracy	: \pm 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
Application	: Adult, pediatric, neonatal modes
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 150 breath / min.
Accuracy	: \pm 2 or \pm 3% breath / min.
Resolution	: 1 breath / min.
Display Sweep Speed	: 6.25, 12.5, 25 mm / sec.

SpO₂

Saturation Range	: 0% to 100%
Pulse Rate	: 20 bpm to 250 bpm
Accuracy	: 70% to 100% \pm 2 digits 50% to 69% \pm 3 digits 0% to 49% unspecified
Pulse Rate Accuracy	: \pm 3 bpm

NIBP

Method	: Automatic Oscillometric
Measurement Range	: 10 - 270 mmHg
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 minutes
Initial Cuff Inflation	: Adult : 160 mmHg, Pediatric : 130 mmHg, Neonate : 110 mmHg
Pulse Rate Range	: 20 to 250 bpm

TEMPERATURE

Range	: 20 to 45°C
Accuracy	: \pm 0.1°C

OPTIONAL MODULES

DUAL IBP

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

ETCO2

Method	: Side stream or main stream
Measurement Range	: 0 to 99 mmHg
Accuracy	: \pm 2 mmHg @ <5% CO2

PRINTER

Thermal Paper	: Thermal printer
Print Channel	: Dual channel printing

TOUCH SCREEN

Size	: 12 x series
------	---------------

GENERAL

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

ALLENGERS OTHER PRODUCTS

- **CARDIOLOGY** : - Tread Mill Test (TMT) - Electrocardiogram (ECG 3, 6 & 12 CH) - Cathlab Fixed/Mobile
- **NEUROLOGY** : - Electroencephalograph (EEG) - Electromyograph (EMG) - Polysomnograph (PSG)
- **UROLOGY** : - Holmium Laser System - Lithotripter (E.S.W.L.)
- **RADIOLOGY** ■ **ORTHO, GASTRO, NEURO SURGERY & INTERVENTIONAL** ■ **IT SOLUTIONS**

MANUFACTURED & MARKETING DOMESTICALLY BY :

ALLENGERS GLOBAL HEALTHCARE (P) LTD.

Ph : +91 172 6618000-99, 2621913 Fax : +91 172 2621912 E-mail : sales.enquiry@allengers.net

MARKETING INTERNATIONALLY BY :

ALLENGERS MEDICAL SYSTEMS LTD.

Ph : +91 172 6618081, 6618082 Fax : +91 172 2621912 E-mail : exports@allengers.net

CORPORATE OFFICE : S.C.O. 212-213-214, Sector 34-A, Chandigarh-U.T. 160 022 (India)

Please visit www.allengers.com for more information Toll Free No. 1800-266-8800 (India)

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.