

Specifications

<b>General</b>	
Size	W 304 mm, L 130 mm, H 310 mm
Weight	< 5 Kgs.
Display	Color TFT
Screen Type	10.4"
Display Area	640 x 480
Resolution	Upto 8 waveforms can be displayed at any time. Numeric Display includes HR/ PR, SpO <sub>2</sub> %, NIBP with MAP, Resp., Temp1 & Temp2, IBP & CO <sub>2</sub>
Wave Forms	512 readings of NIBP, 48 Hrs. for all other parameters.
Trends	2 way Central Nursing Station connectivity. Connectivity to any external video display. Adjustable alarm limits. Adult, Pediatric, and Neonatal.
Networking	
External Display	
Alarms	
Applications	
<b>Electrical</b>	
Internal Battery	12V, 3.6Ah, NiMH Rechargeable battery
Charge time	Maximum 12 hours to full capacity.
Operation	AC operation.
AC Mains	220 V AC ±10%, 50 Hz, 1.5A SB max.
<b>Environmental</b>	
Operating Temperature	0 to 45 °C
Operating Humidity	5 to 95% RH, non-condensing.
Storing Temperature	0 to 55 °C
<b>ECG</b>	
Leads	I, II, III, aVR, aVL, aVF, V in 5 Lead configuration.
Heart Rate Range	30 to 255 bpm
Heart Rate Accuracy	± 3 bpm
Bandwidth Diagnostic	0.05 to 40 Hz
Bandwidth Monitoring	0.5 to 40 Hz
Display Sweep Speed	6.25, 12.5, 25, 50 mm/sec.
ECG Sensitivity	4, 2, 1, 0.5, 0.25 mV/cm.
Lead Off Detection	Detected and displayed.
Pacemaker Detection	Indicator on waveform display.
Arrhythmia	Selectable arrhythmia detection.
CMRR	> 90 dB
Input Dynamic Range	± 5 mV AC, ± 300 mV DC
ST Range	from -0.9 to 0.9 mV
Defib Protection	protected against 360 J discharge and electrostatic potentials.
<b>SpO<sub>2</sub></b>	
Range	0% to 100%
% Saturation	30 bpm to 250 bpm
Pulse Rate	70% to 100%: ± 2 digits
Accuracy SpO <sub>2</sub>	50% to 69%: ± 3 digits 0% to 49 %: Unspecified
Pulse Rate	± 3 bpm
PR Resolution	1 bpm
Cautery Protection	protected against external cautery interference.
<b>Temperature (Optional)</b>	
Range	0 to 50 °C
Accuracy	± 0.1 °C
<b>NIBP</b>	
Technique	Oscillometric
BP Measurement Range	
Adult	30 to 250 mmHg
Pediatric	30 to 200 mmHg
Neonatal	20 to 110 mmHg
Measurement Modes	
Auto	Automatic BP measurements at 2, 3, 5, 10, 15, 20, 30, 60 & 120 minutes.
Manual	Single measurement initiated by NIBP Start/ Stop switch.

STAT / CONTINUOUS	Average of all readings in 5 minutes.
Pulse Rate Range	30 to 250 bpm
Over Pressure Monitor	270 mmHg (Adult) 220 mmHg (Pediatric) 130 mmHg (Neonatal)
<b>Respiration</b>	
Technique	Trans-thoracic impedance.
Range	4 to 150 breaths / min.
Accuracy	± 2 or ± 3 % breaths / min.
Resolution	1 breath / min.
BW	0.1 to 3 Hz
Leads	RA to LA
Display Sweep Speed	6.25, 12.5, 25, 50 mm/sec.
Lead Off detection	Displayed
<b>Dual IBP</b>	
Measurement Range	-10 to 300 mmHg
Channel	2 Channels
Pressure Transducer	
Sensitivity	5 µV/ V/ mmHg
Impedance range	300 to 3000 (ohm)
Resolution	1 mmHg
Accuracy	± 1 mmHg or ± 2%, whichever is greater.
<b>EtCO<sub>2</sub></b>	
Method	Infrared Absorption.
Measurement mode	Side Stream.
Measurement range	
EtCO <sub>2</sub>	0 to 99 mmHg
InsCO <sub>2</sub>	0 to 99 mmHg
RR	4 to 150 rpm
Resolution	
EtCO <sub>2</sub>	1 mmHg
InsCO <sub>2</sub>	1 mmHg
RR	1 rpm
Accuracy	
CO <sub>2</sub> concentration	± 2 mmHg @ < 5% Co <sub>2</sub> < 10% of reading @ > 5% Co <sub>2</sub>
RR	± 2 rpm
Apnea alarm	Yes
<b>Printer</b>	
Printer	Single / Dual channel printing
<b>Safety:</b>	
<b>IEC 60601 - 1, 1-2, 2-49</b>	

Accessories included

(Depending on what features are opted by customer)	
NIBP tubing	1 No. 1.5 meters (5') long
NIBP Cuff(Adult)	1 No. 25 to 35 cm (10" -14")
SpO <sub>2</sub> reusable sensor probe	1 No.
5 Lead ECG Patient cable	1 No.
Disposable electrodes	20 Nos.
Temperature Probe	1 No.
Operating Manual	1 No.

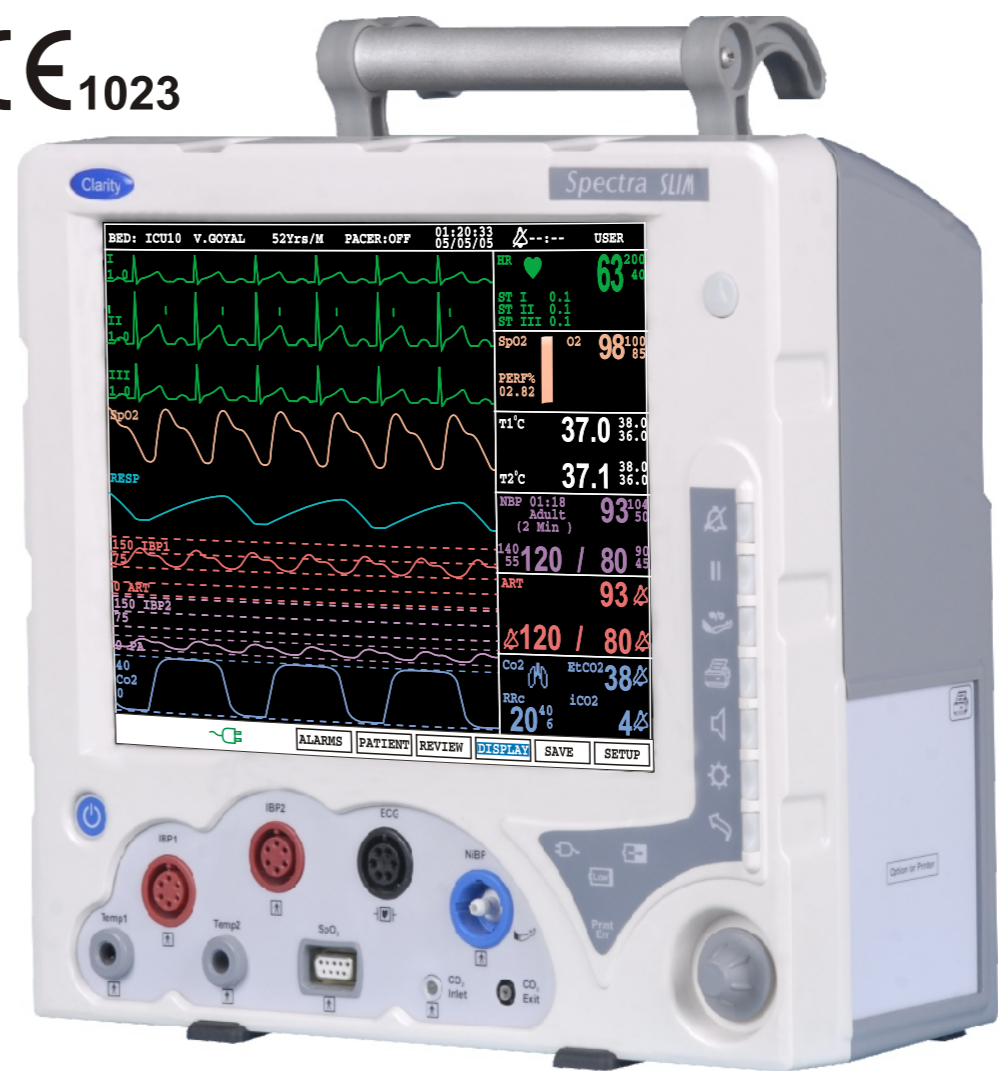
Business Associate

Contact Numbers (Marketing)

• H.O. Mohali	+91 93560 63300
	+91 93164 41109
• Delhi	+91 93504 24025
• H.P. & Haryana and J&K.	+91 93560 64776
• Madhya Pradesh	+91 93005 59100
• Orrisa	+91 93378 69100
• Punjab	+91 93163 41109
• Tamil Nadu & Kerala and Karnataka	+91 93810 46101
	+91 93806 69100
	+91 93883 41109
• U.P. and Uttrakhand	+91 93056 69100
• West Bengal / North East	+91 93320 69100

\* Specifications are subject to change without prior notice.

Spectra SLIM



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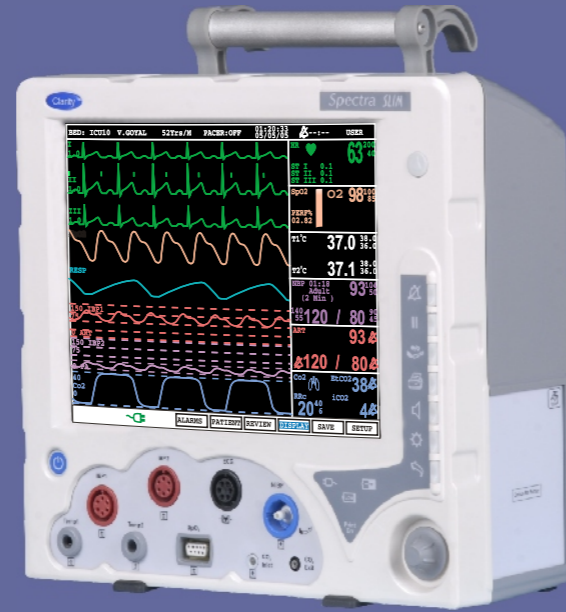


Clarity Medical Pvt. Ltd.



## User Friendly

- 10.4" TFT large screen for better visibility
- 8 real time configurable waveform displays
- Direct key operation for all important functions
- Design facilitates transit monitoring
- Adult, pediatric and neonate application



## Ease of Operation

- Single knob to browse menus/ sub menus
- Direct keys for all important functions
- Indicators for mains, battery and charging
- Powerful Leds for night operations

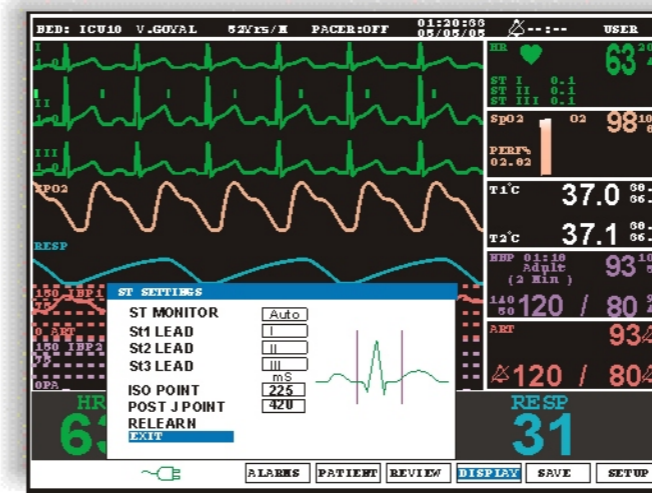
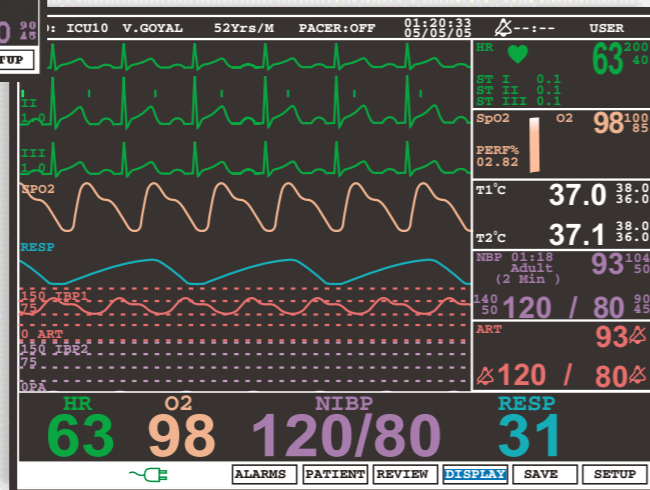
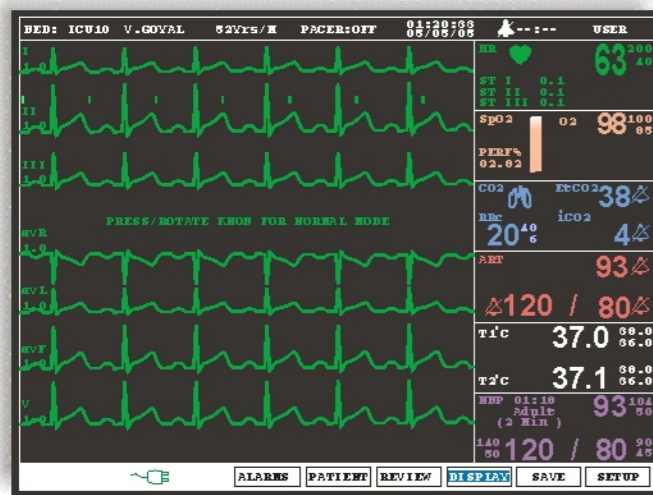
## Upgradability

- Drug dose calculation
- Printer Facility
- Dual IBP and EtCO<sub>2</sub>



## Enhanced visibility

- Customized to view only waveforms
- Big font - better viewing from a distance
- Both audio and visual alarms for vital signs
- Night mode for patient comfort and to enhance TFT life
- External VGA display connectivity



## Memory and Applications

- 48 hours graphical and tabular Non-volatile trend
- 16 event recording of alarm conditions
- Pacemaker detection
- Arrhythmia analysis
- ST analysis
- Networking capability
- Compatible with ClarityMed Central Monitoring System

## Accessories (User configurable)



NIBP Adult & Pediatric Cuff  
NIBP Extension Tubing



Temperature Probe



SpO<sub>2</sub> Probe



5L ECG Cable