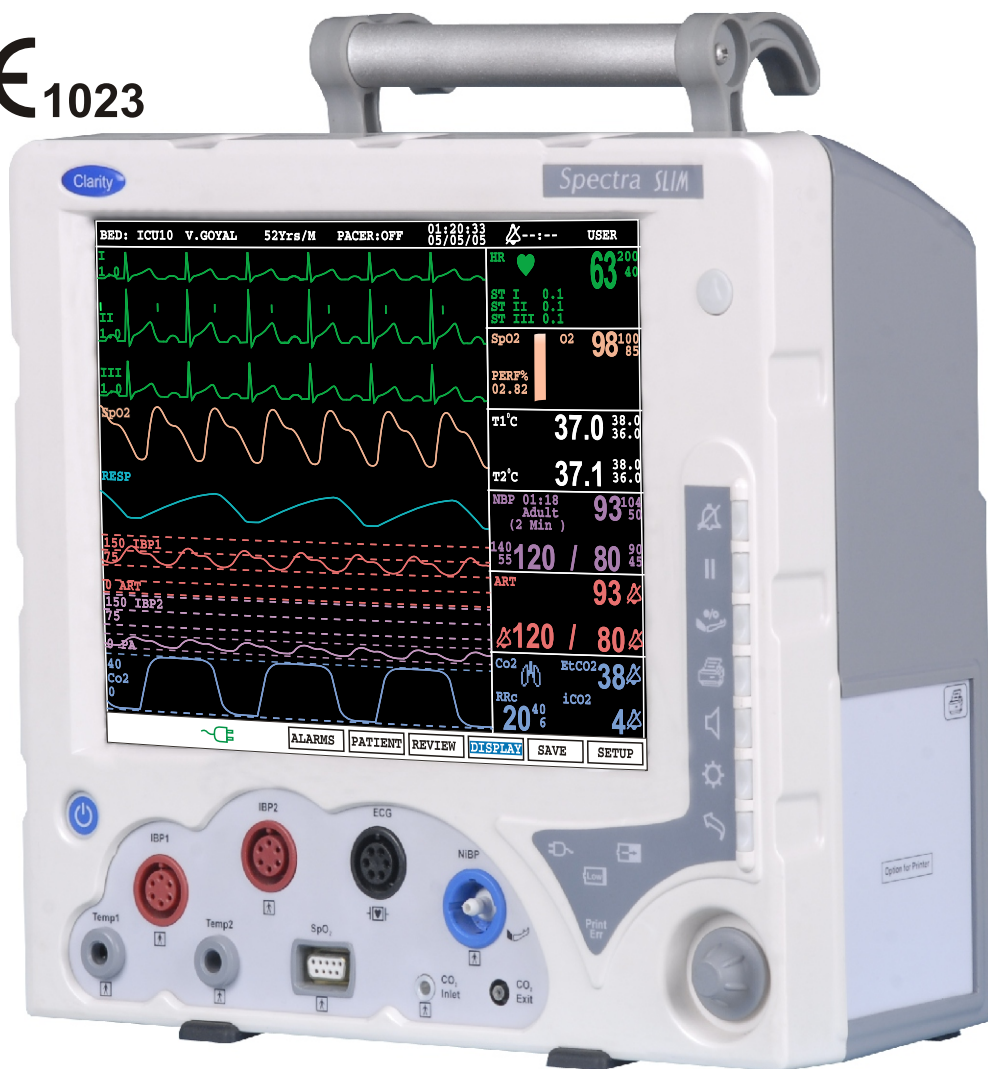


Spectra Slim

Sturdy Slim Trim HighEnd Patient monitor

CE₁₀₂₃



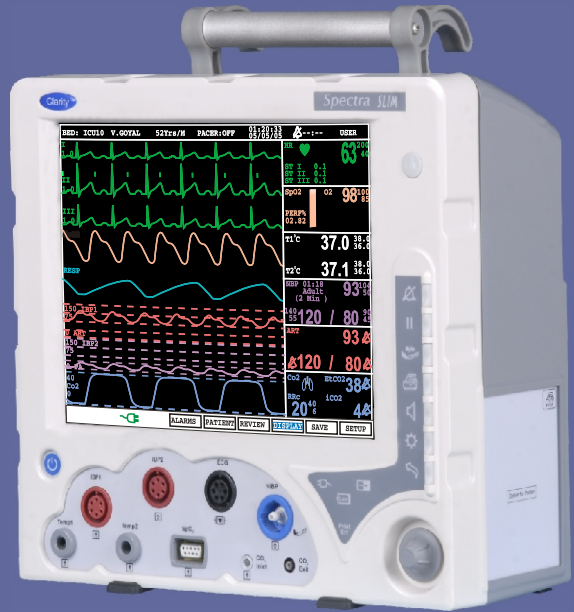
CE₁₀₂₃

Clarity Medical Pvt. Ltd.



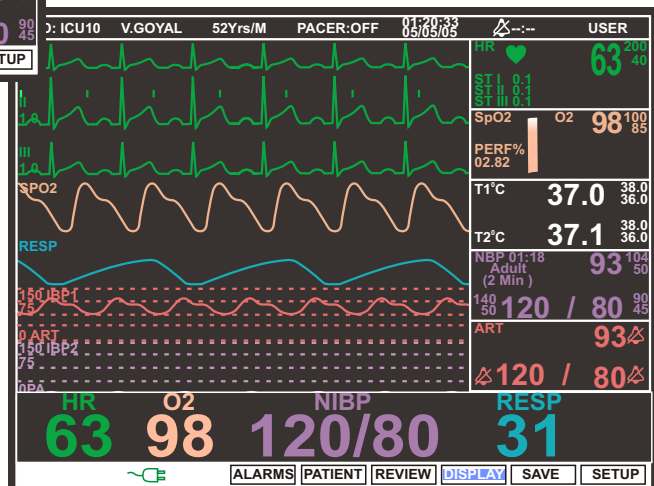
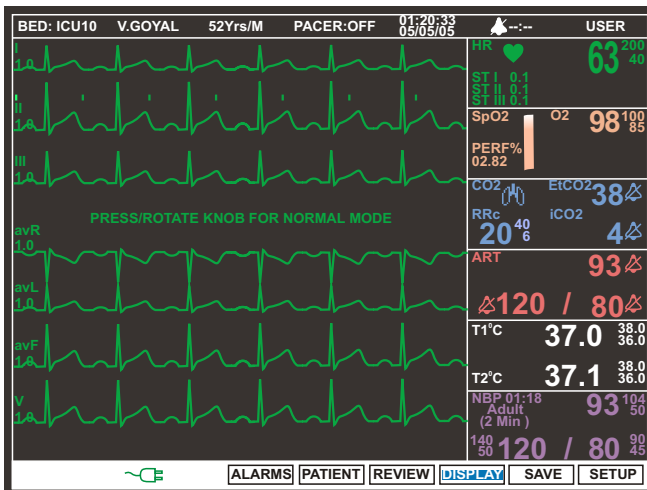
User Friendly

- 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



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

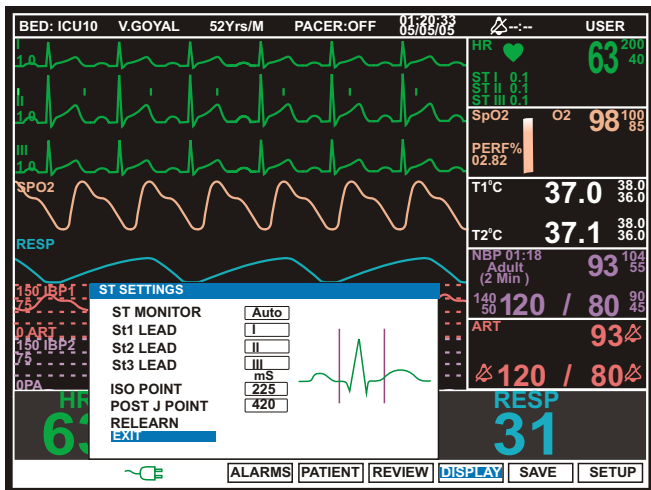


Ease of Operation

- ⇒ 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 EtCO₂



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



SpO₂ Probe



5L ECG Cable

Specifications

General

Size	W 304 mm, D 130 mm, H 310 mm
Weight	< 5 Kgs.
Display	
Screen Type	Color TFT
Display Area	10.4"
Resolution	640 x 480
Wave Forms	Upto 8 waveforms can be displayed at any time. Numeric Display includes HR/ PR, SpO ₂ %, NIBP with MAP, Resp,Temp1 & Temp2, IBP & CO ₂ 512 readings of NIBP, 48 Hrs. for all other parameters
Trends	2 way Central Nursing Station connectivity
Networking	Connectivity to any external video display
External Display	

Electrical

Internal Battery	12V, 3.6AH, Rechargeable NiMH
Charge time	Maximum 12 hours to full capacity
Operation	AC operation
AC Mains	220 V AC ±10%, 50 Hz, 1.5 A SB max.

Environmental

Operating Temperature	0 to 45 °C
Operating Humidity	5 to 95% RH, non-condensing
Storing Temperature	0 to 55 °C

ECG

Leads	I, II, III, aVR, aVL, aVF, V in 5 Lead configuration
Heart Rate Range	20 to 250 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
Applications	Adult, Pediatric, Neonatal modes
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

SpO₂

Range	
% Saturation	0% to 100%
Pulse Rate	20 bpm to 250 bpm
Accuracy SpO ₂	70% to 100%: ± 2 digits 50% to 69%: ± 3 digits 0% to 49%: Unspecified
Pulse Rate	± 3 bpm
Cautery Protection	protected against external cautery interference

Temperature (Optional)

Range	0 to 50 °C
Accuracy	± 0.1 °C

NIBP

Technique	Automatic Oscillometric
BP Measurement Range	
Adult	30 to 250 mmHg
Pediatric	30 to 200 mmHg
Neonate	30 to 130 mmHg
Applications	Adult, Pediatric and Neonatal modes
Measurement Modes	
Auto	Automatic BP measurements at 2,3,5,10,20,30,60 & 120 minutes
Manual	Single measurement initiated by NIBP Start/ Stop switch
Stat Mode	Average of all readings in 5 minutes
Pulse Rate Range	20 to 250 bpm

Over Pressure Monitor	270 mmHg (Adult) 220 mmHg (Pediatric) 130 mmHg (Neonatal)
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Respiration(Optional)

Technique	Trans-thoracic impedance
Range	4 to 150 rpm
Accuracy	± 2 rpm or ± 3 %
Resolution	1 rpm
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

Dual IBP (Optional)

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

EtCO₂ (Optional)

Method	Infrared Absorption
Measurement mode	Side Stream
Measurement range	
EtCO ₂	0 to 99 mmHg
InsCO ₂	0 to 99 mmHg
RR	4 to 150 rpm
Resolution	
EtCO ₂	1 mmHg
InsCO ₂	1 mmHg
RR	1 rpm
Accuracy	
CO ₂ concentration	± 2 mmHg @ ≤ 5% Co ₂ < 10% of reading @ > 5% Co ₂
RR	± 2 rpm
Apnea alarm	Yes

Printer (Optional)

Printer	Dual channel printing
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Safety:

IEC 60601 - 1, 1-2, 2-49

Accessories included

(Depending on what features are opted by customer)

NIBP tubing	1 No. 1.5 meters (5') long
NIBP Cuff	1 No. 25 to 35 cm (10-14 ")
SpO ₂ reusable sensor probe	1 No.
5 Lead ECG Patient cable	1 No.
Disposable electrodes	20 Nos.
Temperature Probe	1 No.
Operating Manual	1 No.

ClarityMed Series of Cardio & ICU Products

- Single Channel and Two Channels ECG Machine
- 4/6 Channels ECG Machine
- Pulse Oxymeter
- 5 Parameters Color / Mono Patient Monitors
- 7 Parameters Color TFT Patient Monitors
- 7 Parameters Color TFT / CRT Modular Patient Monitors

Contact Numbers (Marketing)

- H.O. Mohali +91 93560 63300
+91 93164 41109

Business Associate



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