





# Spectra SLIM+ OT/ICU/CCU grade Patient Monitor

### Precise | Reliable | Cost efficient

- 10.4" TFT large bright Screen for better visibility
- 8 real time configurable waveform display
- Single knob to browse menus/sub menus
- Design facilitates transit monitoring
- Adult, pediatric and neonate application

- Big font for better viewing from a distance
- Both audio and visual alarms for vital signs
- Night mode for patient comfort and to enhance TFT life
- Easy to recogonise Alarm priority system with Color Coded Visual indication, Variable pitch and Melodious sounds

## Spectra SLIM+

#### **Specifications**

Operation knob W 317 mm, D 103 mm, H 298 mm

Weight <3.7 Kgs Display

Screen Type Display Area Color TFT 10.4" Resolution 800 x 600

Wave Forms Upto 8 waveforms can be displayed at

any time. Numeric Display includes HR/ PR, SpO<sub>2</sub>%, NiBP with MAP, Resp.,Temp,

3500 readings of NIBP, 118 Hrs. for all other Trends

2 way Central Nursing Station connectivity.

Adjustable alarm limits.
Adult, Pediatric, and Neonatal. Applications

Networking

Electrical Internal Battery 11.1V, 4000 mAhRechargeable Li ion Maximum 8 to 9 hours to full capacity Charge time

AC/DC operation 100- 240 V 50/60 Hz~1.5A Operation AC Mains

1.5A F 250V Fuse DC Socket DC Fuse 12-15 V 3 A Battery Backup 3 Hours Approx

\*Use either Mains or DC at a time

#### Environmental

Operating Temperature 0 to 45 °C

Operating Humidity 5 to 95% RH, non-condensing -25 to 70° C

Storing Temperature

#### **ECG**

Leads I, II, III, aVR, aVL, aVF, V in 5 Lead/ I, II, III 3 Lead

configuration. 20 to 250 bpm Heart Rate Range Heart Rate Accuracy Bandwidth Diagnostic ± 3 bpm 0.05 to 40 Hz 0.5 to 40 Hz 6.25, 12.5, 25, 50 mm/sec. Bandwidth Monitoring

Display Sweep Speed ECG Sensitivity Lead Open Detection 4, 2, 1, 0.5, 0.25 mV/cm.

Pacemaker Detection Arrhythmia Selectable arrhythmia detection. CMRR > 90 dBInput Dynamic Range

ST Range Defib Protection from -0.9 to 0.9 mV protected against 360 J discharge and

electrostatic potentials

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

% Saturation 0% to 100% 20 bpm to 250 bpm 70% to 100%: ± 2 digits Accuracy SpO<sub>2</sub> 50% to 69%: ± 3 digits 0% to 49 %: Unspecified

Pulse Rate PR Resolution

Cautery Protection protected against external cautery interference.

Oscillometric

#### Temperature Single

Range 0 to 50 °C Accuracy

#### NIBP

Technique BP Measurement Range

30 to 250 mmHg Pediatric 30 to 200 mmHg Neonatal 20 to 110 mmHa

Measurement Modes

Automatic BP measurements at Auto 2,3,5,10,15,20,30,60,120,240,480 & 720 Minutes

Single measurement initiated by NiBP Manual

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)

Respiration

Technique Trans-thoracic impedance. 5 to 150 breaths / min Range ± 2 or ± 3 % breaths / min. Accuracy

Resolution 1 breath / min. BW 0.1 to 3 Hz Leads

Display Sweep Speed 6.25, 12.5, 25, 50 mm/sec. Lead Open detection Yes

#### IBP Single/Dual/Triple Ch (Optional)

-10 to 300 mmHg Measurement Range

Pressure Transducer

Sensitivity 5 µV/V/ mmHg 300 to 3000 (ohm) Impedance range Resolution 1 mmHg

±1 mmHg or ± 2%, whichever is greater. Accuracy

#### EtCO<sub>2</sub> (Optional)

Method Infrared Absorption Measurement mode Side Stream.

Measurement range

EtCO<sub>2</sub> 0 to 99 mmHa ICO. 0 to 99 mmHg RR 5 to 150 rpm

Resolution

EtCO<sub>2</sub> 1 mmHg ICO. 1 mmHa 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 occlusion error

Printer (Optional)

Printer Single / Dual channel printing

#### Safety:

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

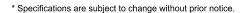
#### **Accessories included**

NiBP Cuff (Adult) 1 No. 25 to 35 cm (10"-14")

SpO<sub>2</sub> reusable sensor probe 1 No 3 or 5 Lead ECG Patient cable 1 No. 20 Nos. Disposable electrodes Temperature Probe 1 No.(Optional) 1 No.(Optional) IBP Sensor IBP Cable 1 No.(Optional) 1 No.(Optional) EtCo2 sampling line 1 No.(Optional) Water Trap Nozzle

Operating Manual/CD 1 No

#### **Business Associate**



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## **Clarity Medical Pvt. Ltd.**

R&D / Mfg.: Plot No. 1687-A, JLPL Industrial Park,

Sector 82, Mohali -140306 (Punjab) INDIA Mobile No.: +91 9115003576-79, 99157 16391

Phone No.: +91 172 3243800

Website : www.clarity-medical.com Email ID :sales@clarity-medical.com

helpdesk@clarity-medical.com