





Spectra Gold OT/ICU/CCU grade Patient Monitor

Precise | Reliable | Cost efficient

 15" TFT large bright Screen for better visibility

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- 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 Gold

Specifications

General Operation knob W 380 mm, D 130 mm, H 360 mm Size Weight Display Screen Type Color TFT Display Area 15" 1024 x 768 Upto 8 waveforms can be displayed at Wave Forms any time. Numeric Display includes HR/ PR, SpO₂%, NiBP with MAP, Resp., Temp, Trends 3500 readings of NIBP, 118 Hrs. for all other 2 way Central Nursing Station connectivity. Adjustable alarm limits. Networking Alarms Applications Adult, Pediatric, and Neonatal Electrical Internal Battery 7.4V, 2200mAh Rechargeable Li ion Maximum 5 to 6 hours to full capacity Charge time Operation AC Mains 100- 240 V 50/60 Hz~1.5A 1.5A F 250V Fuse DC Socket DC Fuse Battery Backup 2 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

I, II, III, aVR, aVL, aVF, V in 5 Lead/ I, II, III 3 Lead Leads configuration. at time 3 & 5 Lead 20 to 300 bpm

Heart Rate Range Heart Rate Accuracy Bandwidth Diagnostic ± 3 bpm 0.05 to 40 Hz

Bandwidth Monitoring Display Sweep Speed 0.5 to 40 Hz 6.25, 12.5, 25, 50 mm/sec.

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

Pacemaker Detection

Arrhythmia Selectable arrhythmia detection. CMRR >105 dB Input Dynamic Range ± 5 mV AC, ± 300 mV DC

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

electrostatic potentials

SpO,

Range % Saturation 0% to 100% 20 bpm to 250 bpm 70% to 100%: ± 2 digits 50% to 69%: ± 3 digits Pulse Rate Accuracy SpO₂

0% to 49 %: Unspecified Pulse Rate

PR Resolution Cautery Protection protected against external cautery interference.

Temperature Single

Accuracy ± 0.1 °C NIBP Oscillometric

Technique BP Measurement Range

30 to 250 mmHg Adult 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

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

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

Respiration

Technique Trans-thoracic impedance. Range 5 to 150 breaths / min ± 2 or ± 3 % breaths / min. Accuracy 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 Open detection IBP Single/Dual/Triple Ch (Optional)

Measurement Range -10 to 300 mmHg

Pressure Transducer

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

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

EtCO₂ (Optional)

Method Infrared Absorption Measurement mode Side Stream.

Measurement range

EtCO, 0 to 99 mmHg ICO. 0 to 99 mmHa RR 5 to 150 rpm

Resolution

EtCO. 1 mmHg ICO, 1 mmHg RR 1 rpm

Accuracy

CO₂ concentration ± 2 mmHg @ ≤ 5% Co. < 10% of reading @ > 5% Co₂

± 2 rpm Apnea alarm Yes occlusion error Yes

Printer (Optional)

Single / Dual channel printing

Safety:

60601 - 1, 1-2, 2-49

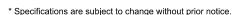
Accessories included

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

SpO, reusable sensor probe 1 No. 3 or 5 Lead ECG Patient cable 1 No. Disposable electrodes 20 Nos. 1 No. (Optional) 1 No. (Optional) Temperature Probe IBP Sensor IBP Cable 1 No. (Optional) EtCo, sampling line 1 No. (Optional) 1 No. (Optional) Water Trap 1 No. (Optional) Nozzle

Operating Manual/CD

Business Associate









Clarity Medical Pvt. Ltd.

R&D / Mfg.: Plot No. 1687-A, JLPL Industrial Park, Sector 82, Mohali -140306 (Punjab) INDIA

Mobile No.: +91 99157 16391

Phone No.: +91 172 2970711, 2970811,3243800

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

helpdesk@clarity-medical.com