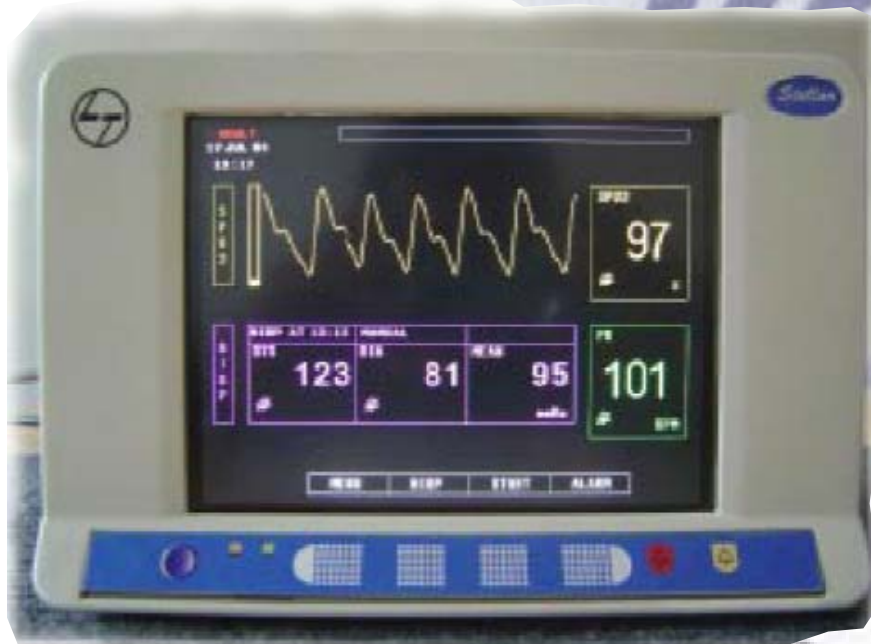


Stellar 404

ABSOLUTE PRECISION

FROM NEONATES TO ADULTS

SpO2
NIBP



- ✓ TFT colour, dual monitor: NIBP and SpO2 values with plethysmographic wave.
- ✓ Portable with rechargeable Li-ion battery (4 operating time hours).
- ✓ High precision **CAS NIBP** module.
- ✓ **MASIMO** original SpO2 module. Best solution in anti-motion, low flows and neonates oximetry measurement.
- ✓ Memory 24 hour with graphic and numerical trends, with NIBP tabular table.
- ✓ Alarms, patient configurables and separated against instrument alarms, with different tone variation. TOP SECURITY.



PARTNER

Controls

- Front panel : On/Off switch & four multifunction soft keys
- Rear panel : Mains On/Off switch, external DC input 12V, equi-potential ground connection, ext. Rec, ext. monitor & communication for RS232 / Skyline - L&T central station.

Display

- Type : Colour TFT display
- Size : 6.5" (640 x 480 pixels)
Dot pitch 0.207mm
- Indicators : Date, time, pulse strength indicator, alarm limits, low battery indication & alarm status
- Sweep speed : 12.5, 25 and 50 mm/sec (for SpO₂)

SpO₂ (masimo)

- Tone variation with change in SpO₂ : Provided
- Range : 0 - 100%
- Modes : SLOW response (for neonates)
NORMAL response (for adults)
FAST response (for sleep studies)
- Accuracy : 70 - 100% +/- 2 digits,
0 - 69% unspecified.
(neonates 100-70% : +/- 3 digits)
- Alarms : High : 55 - 100%
Low : 50 - 95%
- PR range : 25 to 240 bpm
- PR accuracy : ±3 digits

SpO₂ (Nellcor 506)

- Tone variation with change in SpO₂ : Provided
- Range : 0 - 100%
- Modes : SLOW response (for neonates)
NORMAL response (for adults)
FAST response (for sleep studies)
- Accuracy : 100 - 70% ±2 digits,
0 - 69% unspecified.
(neonates 100-70% : +/- 3 digits)
- Alarms : High : 55 - 100%
Low : 50 - 95%
- PR range : 20 to 250 bpm
- PR accuracy : 20 to 250 bpm ±3 digits (no motion condition)
20 to 250 bpm ±5 digits (during motion condition)

NIBP

- Method : Oscillometric
- Modes : Manual, Auto and STAT (continuous 5 min. operation)
- Range : 20 - 260 mmHg
- NIBP Intervals : Auto-intervals 2, 3, 4, 5, 10, 15, 30, 60 and 90 min. (selectable)

- Cuffs : Single tube with snap fit connector (Adult, Paediatric & Neonatal)
- Cuff inflation : Initial inflation of 160 mmHg (default) variable from 120 mmHg to 280 mmHg. Subsequent inflation to approximately 30 mmHg more than previous systolic pressure
- Cuff deflation : Automatic
- Safety features : Automatic deflation if cuff pressure exceeds 300 mmHg in adult and 150 mmHg in Neonate mode.
Measurement time exceeds 180 sec. (adult) and 90 sec. (Neonate).
Safety time defaults microprocessor failure.
- FR : 40 - 200 bpm. (Adult / Neonate)
- Method : NIBP module sends the PR reading at each NIBP measurement.

Alarms

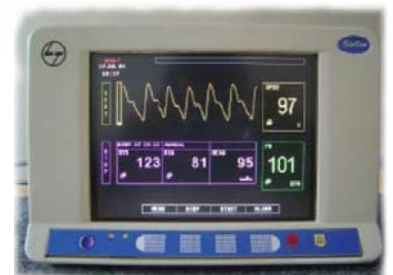
- "Patient" : Flashing RED alarm indicator and on screen alarm details
- "Equipment" : Flashing YELLOW alarm indicator and on screen alarm details
- Volume control : 5 steps (off to high) alarm volume
- Tone variation : Different tones for RED and YELLOW alarms
- Alarm recall : Last 16 alarm conditions with date & time
- Alarm settings : Auto-alarm settings for HR / PR and SpO₂
Manual alarm settings for Systolic and Diastolic.
Manual settings and Default settings.

Trends

- HR, SpO₂ : 24 hrs. graphical trend with zoom facility
- NIBP : 100 readings in tabular form.
- Time scale : For Stellar :
12 hrs. (resolution of 3 min.) & 2hrs (resolution of 30 sec.) for graphical trend.
6 min. resolution for NIBP tabular trend.

General

- Universal power: 95-265V AC, 50/60 Hz (±5%)
- Wattage : 40W
- Battery : 16.8V, 4.4A hrs (Li-ion)
- Operating time : 4 hrs. on full charge at 250C (typically)
- Charging time : 6 hrs. (approx.) for fully discharged battery
Auto-charging when used on mains
- Dimensions : 145 x 220 x 185 mm (H x W x D)
- Weight : 3.5 kg (max)
- Designed to conform to the following international standards.
IEC safety standard : IEC 60601-1
IEC EMC standard : IEC 60601-2
IEC standard requirements for the safety of NIBP : IEC 606061-2-30.



Stellar