



## Vital Sign Monitor

# SENTRY

SENTRY - N (NIBP)

SENTRY - NS (NIBP + SpO<sub>2</sub>)

SENTRY - NST (NIBP + SpO<sub>2</sub> + Trend screen)

### *SENTRY, the solution provider*

Introducing the most sophisticated vital sign monitor from Bionics, the SENTRY series.

Answering the needs of medical professionals, the SENTRY provides highly advanced monitoring technology with maximum user friendliness for both clinicians and patients. SENTRY also comes with features for ambulance and the monitoring needs of transportation.

### *Simple yet powerful*

Advanced NIBP with patient size selection (Adult, Pediatric, Neonate), accurate and proven SpO<sub>2</sub> technology with real-time wave form display and optional Welch Allyn Sure temp.

### *Beyond user-friendliness*

A round and 360 degree visible alarm lamp, sliding plastic menu on the bottom of the unit, standard pole mounting, light and transportable design and easy to use parameters and functions.

SENTRY is the final solution for clinical versatility for portable and bedside monitoring.

SENTRY will provide both patients and clinicians with years of unsurpassed monitoring function.

## ● Technical Specifications

### ■ NIBP

Technique : Measurement/display of systolic, diastolic, mean pressures and heart rate using oscillometric technique  
 Measurement time : 40sec typical; 0 to 300mmHg; standard adult cuff Automatic Measurement  
 Mode : Manual / Auto  
 Cycles : 2, 5, 10, 15, 30, 60, 120 min  
 Inflation Pressure Range : 0 to 300mmHg  
 Inflation Pressure Max :  
 Adult : 300 ± 5mmHg; Neonate : 150 ± 5mmHg  
 Resolution : 1mmHg

### ■ PULSE RATE

Range : 35-250 bpm for adult and ped./ 70 - 250 bpm for neonates  
 Accuracy : ±3bpm or ±3%, whichever is greater  
 Source : NIBP or SpO<sub>2</sub> (SENTRY-NS and SENTRY-NST only).

### ■ PULSE OXIMETRY (SENTRY-NS and SENTRY-NST)

Range : 1% to 99%  
 Resolution : 1%  
 Accuracy : 70-100%, ±2%SpO<sub>2</sub>, 50-69%, ±3%SpO<sub>2</sub>, 0-49% unspecified  
 Pulse Rate : 30-250bpm ±3bpm

### ■ DISPLAY

SENTRY-N, SENTRY-NS, SENTRY-NST :  
 Large alarm lamp  
 7Segment LEDs for systolic, diastolic, mean pressures, pulse rate and SpO<sub>2</sub> (SENTRY-NS and SENTRY-NST only).  
 8 segments pulse amplitude bar (SENTRY-NS and SENTRY-NST only).  
 SENTRY-NST:LCD screen display, 11.3cm X 2.8cm ; 240 X 64pixels

### ■ ALARM LIMITS

Alarm Limits : Systolic, diastolic and mean arterial, HR, temperature and SpO<sub>2</sub>

### ■ TREND (SENTRY-NST)

Flexible database lists trend for review of up to 100 events measurements with coincident pulse rate, SpO<sub>2</sub>, and temperature.  
 Memory : Trend for 24 Hours.

### ■ RECORDER (option)

Output : List trend : Produces hard copy documentation of patient data including NIBP, Heart rate, Temperature measurements and SpO<sub>2</sub>

### ■ BATTERY

Battery Type : 7.2V Lithium Ion, Rechargeable with built-in charger  
 Operating Time : 3 Hours typical  
 Charge Time : 2 Hours maximum

### ■ POWER REQUIREMENTS

Voltage Input : 100-240 VAC, 50-60 Hz  
 Power Consumption : 60W, maximum

### ■ DC INPUT (option)

Voltage : 12V ± 2V DC  
 Current : 3.5 A maximum

### ■ MECHANICAL

Base Unit Size : 180mm(W) X 248mm(H) X 175mm(D)  
 Weight : less than 5Kg, dependent on configuration

### ■ ENVIRONMENTAL

- Operating Temperature 10°C ~ 45°C (50°F ~ 113°F)
- Storage Temperature -10°C ~ 50°C (14°F ~ 122°F)
- Operating Humidity 30% ~ 85% non condensing
- Storage Humidity 20% ~ 95% non condensing



### ■ STANDARD ACC'S

	SENTRY-N	SENTRY-NS	SENTRY-NST
Adult cuff	1	1	1
Child cuff	0	0	0
NIBP hose	1	1	1
ReusableFinger probe	0	1	1
Power cable	1	1	1
Operation manual	1	1	1

### ■ OPTIONAL ITEMS

Recorder  
 Recording paper  
 Cuff (Large adult, adult, pediatric, neonate)  
 SpO<sub>2</sub> sensor (Finger probe, Y-type probe)  
 Extension cable  
 DC input  
 Ambulatory color  
 Rolling stand



All specifications are subject to change without notice

Sold and  
 Serviced by



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