Vital Sign Monitor

SENTRY

SENTRY - N   (NIBP)
SENTRY - NS   (NIBP + SpO2)
SENTRY - NST (NIBP + SpO2 + 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 in with the features for ambulance and the monitoring needs on transportation.

Simple yet powerfull

Advanced NIBP with patient size selection (Adult, Pediatric, Neonate), accurate and proven SpO_2 technology (sold more than 2,000 pulse oximeters per year) with real-time wave form display not available anywhere, 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 function.

SENTRY is the final solution for clinical versatility for portable and bedside monitoring.
SENTRY will protect both patients and clinicians with years of unsurpassed monitoring function.

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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$_2$ (SENTRY-NS and SENTRY-NST only).

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

Range : 1% to 99%
Resolution : 1%
Accuracy : 70-100%, 2%SpO$_2$, 50-69%, 3%SpO$_2$, 0-49% unspecified
Pulse Rate : 30-250BPM ±3

■ DISPLAY

SENTRY-N, SENTRY-NS, SENTRY-NST :
            Large alarm lamp
            7Segment LEDs for systolic, diastolic, mean pressures,
            pulse rate and SpO$_2$ (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$_2$

■ TREND (SENTRY-NST)

Flexible database lists trend for review of up to 100 NIBP
measurements with coincident pulse rate, SpO$_2$, 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$_2$

■ 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 A maximum

■ MECHANICAL

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

■ ENVIRONMENTAL

Operating Temperature : 10~40 C ; 50 ~ 104 F
Storage Temperature   : -15~40 C ; 5~104 F
Operating Humidity   : 15~90% max, non-condensing
Storage Humidity   : 10~95% max, 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

Battery
Recorder
Recording paper
Cuff (Large adult, adult, pediatric, neonate)
SpO$_2$ sensor (Finger probe, Y-type probe)
Extension cable
DC input
Ambulatory color
Rolling stand

CE
0470

All specifications are subject to change without notice

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