

NIBP

Technique:

Oscillometric (MAXNIBP® Technology)

Application:

Neonatal, pediatric and adult patients

Blood Pressure Range:

Systolic: 30-255 mmHg

Diastolic: 15-220 mmHg

MAP: 20-235 mmHg

Pulse Rate Range:

30-240 BPM

Accuracy:

NIBP: ± 5 mmHg, standard deviation no greater than 8 mmHg

Pulse rate: $\pm 2\%$ or ± 2 BPM, whichever is greater

OXIMETRY (Options)

Masimo SET®

SpO₂% Range:

0-100%

SpO₂ Accuracy:

70-100%, ± 2 digits (1 S.D.) Adult

70-100%, ± 3 digits (1 S.D.) Neonate

Pulse Rate Range:

25-240 bpm

Pulse Rate Accuracy:

± 3 bpm

Nonin®

SpO₂% Range:

0-100%

SpO₂ Accuracy:

70-100%, ± 2 digits (1 S.D.) Adult

70-100%, ± 3 digits (1 S.D.) Neonate

Pulse Rate Range:

18-240 bpm

Pulse Rate Accuracy:

$\pm 3\%$ or ± 1 digit, whichever is greater

Nellcor® OxiMax™

SpO₂% Range:

1-100%

SpO₂ Accuracy:

70-100%, ± 2 digits (1 S.D.) Adult

70-100%, ± 3 digits (1 S.D.) Neonate

Pulse Rate Range:

20-240 bpm

Pulse Rate Accuracy:

± 3 digits

TEMPERATURE (Optional)

Welch Allyn SureTemp®

Temperature Range:

28.9 to 42.2°C (84.0 to 108.0°F)

Accuracy:

± 0.1 °C (± 0.2 °F), Meets or exceeds

ASTM Standards

PATIENT ALARMS

Adjustable high and low alarms for Pulse Rate, %SpO₂, Systolic Pressure, Diastolic Pressure and Mean Arterial Pressure.

CONTROL PANEL

Display:

LED display of measurement results, instructions, troubleshooting messages, and signal strength bar.

Parameters Displayed:

Systolic Pressure, Diastolic Pressure, Mean

Arterial Pressure (MAP), Pulse Rate,

%SpO₂, Temperature (in °F or °C)

OPERATING MODES

History:

Review of previous measurements

NIBP:

Manual, STAT or Automatic (at preset intervals)

%SpO₂:

Continuous monitoring

Temperature:

Predictive or continuous

POWER

Source:

External AC power or internal battery

AC Power:

100-240 VAC, 50/60HZ, 0.5A;

0.5A fuse rating

Battery:

Smart NiMH battery pack (removable)

Charge Time:

4 hours

Operating Time:

100 readings at 5 minute intervals

Leakage Current:

100µA (maximum)

SAFETY LIMITS

Automatic Cuff Deflation:

If cuff pressure exceed 290 mmHg (Adult), 145 mmHg (Neonate)

If measurement time exceeds 120 seconds (Adult), 90 seconds (Neonate)

If safety timer detects microprocessor failure

OPERATING ENVIRONMENT

Operating Temperature:

0 to 50°C (32 to 122°F) for NIBP & SpO₂

16 to 40°C (61 to 104°F) for Temperature

Storage Temperature:

-20 to 65°C (-4 to 149°F)

Humidity:

15-95%, non-condensing

Altitude:

Up to 10,000 feet (3,048 meters)

Monitors may not meet performance specifications if stored or used outside temperature and humidity ranges.

PHYSICAL DIMENSIONS & WEIGHT

Base Unit:

6.75 in H x 8.5 in W x 3.0 in D
(17.0 cm H x 21.5 cm W x 7.5 cm D)

Weight:

3 lbs (1.4 kg)

STANDARDS

Units comply with the following requirements:

ANSI/AAMI SP10

EN 60601-1

EN 60601-1-2

EN 60601-2-30

EN 60601-2-49

EN 865

ETL Listed – UL 2601,

CAN/CSA C22.2 No. 601.1

CE marking according to Directive 93/42/EEC

OPTIONAL ACCESSORIES

Printer with infrared interface

RS-232 Interface

Swiveled Hard Mount (for ambulance applications)

Roll Stand and Basket

Protective Carrying Case

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Masimo SET® is a registered trademark of Masimo, Inc.

NONIN® is a registered trademark of Nonin Medical, Inc.

Nellcor® and OxiMax® are registered trademarks of Nellcor Puritan Bennett, Inc.

SureTemp® is a registered trademark of Welch Allyn, Inc.

All Units covered by U.S. patents 4,796,184 and 5,022,403. Other patents pending.

Featuring



Technology



Certificate Number FM72259

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