



GE Medical Systems
Information Technologies

THE DINAMAP® DIFFERENCE™
– THINK 1, 2, 3

1.

**Accuracy monitoring
hypertensive patients**

With its unique algorithm, the DINAMAP PRO Series ensures exceptionally accurate BP readings in hypotensive situations.

2.

**Accuracy monitoring in
hypotensive patients**

Advanced dual hose technology enhances the sensitivity of the DINAMAP PRO Series providing precise readings in hypotensive cases.

3.

**Accuracy maintained even if the
patient moves**

The patented motion artifact rejection system built-in to every DINAMAP PRO Series monitor delivers complete accuracy even when the patient moves.

**You Can Tell The
DINAMAP® DIFFERENCE
In A Heartbeat!**

In fact, among healthcare professionals worldwide, DINAMAP is considered the "gold standard" in NIBP monitoring, by consistently out-performing other monitors in all major areas.

DINAMAP® PRO 1000 SERIES BLOOD PRESSURE, OXIMETRY & TEMPERATURE



Introducing The DINAMAP® PRO 1000 With Intelligent ASAP® & ECG

Now you can have the accuracy, ease of use, speed and comfort you require from a non-invasive blood pressure (NIBP) monitor, as well as reliable electrocardiogram (ECG) readings.

Market-Leading Technologies

Designed specifically for the growing sub-acute care market, the New PRO 1000 utilizes DINAMAP ASAP NIBP technology with 3-lead ECG monitoring, Nellcor™ pulse oximetry and IVAC® predictive temperature.

Accuracy

With over 30 patents, the DINAMAP algorithm for artifact rejection ensures exceptionally accurate BP readings in both hypotensive and hypertensive patients.

User-Friendly Design

Lightweight and mobile, the DINAMAP PRO 1000 is easy to transport. It can be mounted, carried or wheeled from area to area as needed. And, even though the monitor is compact, the large 10-inch, LED colour-screen and clear, bright displays are visible from around the room, permitting convenient at-a-glance viewing. Best of all, you'll find it simple to operate, with no extensive training or down time required.

Built to Last

As with all DINAMAP monitors, the PRO 1000 has been engineered to provide years of trouble-free service. In addition to incorporating the highest-quality materials for "hospital grade" durability, the monitors also are designed to be low maintenance and easy to repair.



DINAMAP[®] PRO 1000 SERIES

BLOOD PRESSURE, OXIMETRY & TEMPERATURE

Specifications

Monitor: 305 x 102 x 368 mm (H x D x W); Weight : 5,45 kg

Environmental

Operating Temperature: +5° C to +40° C, Humidity: 5% to 95% noncondensing, Pressure 700 hPa to 1060 hPa;

Storage Temperature: -20° C to +60° C, Humidity: 5% to 95% noncondensing, Pressure 500 hPa to 1060 hPa

Electrical

AC Input Voltage: 120 - 240 V; AC Input Frequency: 50 - 60 Hz; AC Input Power: 60 - 120 VA,

DC Input Voltage 18 - 24 V, DC Input Power 60 VA (supplied from a source conforming to IEC 601-1),

Internal Battery: 12 V nickel-metal-hydride (NiMH), Fuse (Battery): 10 A, 250 V

Power Supply The PRO 1000 Monitor can be powered from the internal battery, AC power, or an external DC power source.

Battery An internal, rechargeable battery pack powers the Monitor for 120 minutes (+/- 10 minutes) at a specified load.

The battery typically charges to 90% capacity within 3 hours.

NIBP

Method: Oscillometric step deflation, results equivalent to intraarterial BP measurement, Modes: Manual, automatic, stat

BP Measurement Ranges: Systolic: 30 to 290 mmHg, Diastolic: 10 to 220 mmHg; Resolution: 1 mmHg;

Accuracy: Meets or exceeds AAMI/ANSI standard SP10;

Initial Cuff Inflation Pressure: 140 mmHg default; user select table (adult), 110 mmHg default; user selectable (neo);

Maximum Determination Time: 120 s (adult), 85 s (neonate);

Over Pressure Monitor: 300 to 330 mmHg (adult), 150 to 165 mmHg (neonate);

Pulse Rate: When NIBP is the source, HR values are derived from the pulse rate. The rate source field is labeled NIBP.

Adult Range: 30 to 200 bpm ($\pm 3.5\%$); Neonate Range: 30 to 220 bpm ($\pm 3.5\%$)

ECG

Leads available: 3-lead configuration: I, II, III, MCL1; QRS amplitude range: 0.2 to 5.0 mV;

Heart rate accuracy: 10 to 300 (adult) / 10 to 350 (neonate) beats/min ± 3 beats/min; Heart rate resolution: 1 beat/min;

Bandwidth: Display/Recorder: 0.5 to 40 Hz, 0.05 to 40 Hz, 0.05 to 100 Hz; Input Impedance: > 2.5 M at 10 Hz;

Pacemaker detection/rejection: Pacer amplitude: ± 2 mV to ± 700 mV; Pacer width: 0.1 ms to 2 ms

SpO₂

Functional Oxygen Saturation: Range: 0% - 100%; Accuracy: 0% - 69% - unspecified;

Adult Accuracy: (70 - 100%) NELLCOR** Sensor Accuracy; Neonatal Accuracy: (70% - 100%);

Pulse Rate Range: 20 to 250 beats/min; Accuracy: ± 3 beats/min; Waveforms: Pulse plethysmograph waveform on LCD;

Loss of Pulse: If the Monitor is unable to detect a pulse for 10 sec during normal SpO₂ monitoring, the values flash, alternating patient values with dashes; and SEARCH appears in place of the pulse amplitude bar.

Temperature

Predictive Mode: Range: 31.6° C to 42.2° C; Accuracy: ± 0.6 ° C; Resolution: 0.1° C;

Monitor Mode: Range: 26.7° C to 42.2° C; Accuracy: ± 0.1 ° C; Resolution: 0.1° C

HR/Pulse

ECG: Heart rate accuracy: 10 to 300 (adult) / 10 to 350 (neonate) beats/min;

Time to alarm: high heart rate < 10 s, low heart rate < 10 s; Accuracy: ± 3 beats/min; Alarm Limits: 10 - 250 beats/min

Respiration

ECG-Derived Respiration Rate

Leads available: I or II; Range: 6 to 120 breaths/min (adult/ped.), 6 to 180 breaths/min (neonate);

Accuracy: ± 2 breaths/min or $\pm 3\%$; Resolution: 1 breath/min; Bandwidth: 0.1 to 5.0 Hz; Excitation Frequency: 61.5 kHz;

Amplitude: < 300 μ A

Battery

Capacity: 7.0 amp-hr (manufacturer's rating); Battery Life: 120 minutes (+/- 10 min) using fully charged internal battery;

Charge time - 3 hours

GE Medical Systems Information Technologies reserves the right to make changes in specifications and features shown herein, or discontinue the product described at any time without notice or obligation

For further information on DINAMAP[®] Blood Pressure monitors and accessories
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