



The **GE Carescape V100** is a Patient Monitor that measures vital signs. The Carescape V100 vital signs patient monitor can be used for adult, pediatric and neonatal patients. The Monitor can measure SpO₂, NIBP, and the patient's temperature. The durable design of the monitor along with eight hours of battery life make the monitor ideal for transport, mobile, and can be used as a continuous bedside monitor. The GE Dinamap Carescape V100 offers a 14-second accurate read on non-invasive blood pressure.

Features

- It's a two-in-one monitor, it can be used for both spot check and continuous monitoring.
- Non-invasive blood pressure determination times as fast as 14 seconds.
- Exergen TemporalScanner thermometer provides non-invasive, fast, easy and accurate temperatures.
- Battery has a long run time, typically 8 to 11 hours before requiring a recharge.
- GE Dinamap SuperSTAT blood pressure algorithms support speed, comfort and artifact rejection for virtually all types of patients.



Specifications

Dimensions

Height: 7.7" (19.5 cm)
Width (Without Temperature): 8.6" (21.9 cm)
Width (With Temperature): 10" (25.4 cm)
Depth: 5.3" (13.5 cm)
Weight (Including battery): 5.4 lbs (2.4 kg)

Power

Protection Against Electrical Shock: Class II
AC Input: 100 to 250VAC, 12VA
DC Output voltage: 12VDC at 1A; The AC mains power adapter contains a nonresettable and nonreplaceable fuse.

Monitor

Protection Against Electrical Shock: Internally powered or Class II when powered from specified external power supply.
DC input voltage: 12 VDC, supplied from a source conforming to IEC 60601-1.
Fuses: The monitor contains three fuses. The fuses are mounted within the monitor. The fuses protect the low voltage DC input, the battery, and the remote alarm output. The +5 V output on the host port connector is regulated by internal supply.

Environmental

Operating Temperature: + 41°F to + 104°F (+ 5°C to + 40°C)
Operating Atmospheric Pressure: 700 hPa to 1060 hPa

Storage / Transportation

Storage Temperature: – 4°F to + 122°F (– 20°C to + 50°C)
Atmospheric Pressure: 500 hPa to 1060 hPa
Humidity Range: 5% to 95% noncondensing
Radio Frequency: Complies with IEC Publication 60601-1-2 (2001) Medical Electrical Equipment, Electromagnetic Compatibility Requirements and Tests and CISPR 11 (Group 1, Class B) for radiated and conducted emissions.

Printer

Printer Type: Thermal dot array
Resolution: 384 dots/inch horizontal
Paper Type: The paper roll used by the printer must be compatible with GE PN 770137.
Languages Printed: English, German, French, Italian, Spanish, Portuguese (Brazil and Portugal), Hungarian, Polish, Czech, Finnish, Swedish, Danish, Dutch, Norwegian, and Slovak.
Languages Not Printed: (text printed in English only) Russian, Greek, Korean, and Japanese.



SpO2: 1 to 100%

Pulse Rate: 30 to 250 bpm

Perfusion Range: 0.03 to 20%

Saturation

- Adult: 70 to 100% ± 2 digits whichever is greater, (without motion)
- Neonate: 70 to 100% ± 3 digits (without motion)
- Adult/Neonate: 70 to 100% ± 3 digits (during clinical motion)
- Low perfusion: 70 to 100% ± 2 digits (during clinical low perfusion)

Pulse rate

- Adult /Neonate: 30 to 250 bpm: ± 2 digits or $\pm 2\%$, whichever is greater, (without motion) 30 to 250 bpm: ± 5 digits (during motion)
- Low perfusion: 30 to 250 bpm: ± 3 digits

SpO2: 1 to 100%

Pulse Rate: 20 to 250 bpm

Perfusion Range: 0.03 to 20%

Saturation

- Adult: 70 to 100% ± 2 digits whichever is greater, (without motion)
- Neonate: 70 to 100% ± 3 digits (without motion)
- Low perfusion: 70 to 100% ± 2 digits (during clinical low perfusion)

Pulse rate

- Adult /Neonate: 40 to 250 bpm: ± 3 digits
- Low perfusion: 40 to 250 bpm: ± 3 digits

SpO2: 1 to 100%
Pulse Rate: 25 to 250 bpm
Perfusion Range: 0.2 to 20%

Saturation

- Without Motion - adult/pediatric: 70 to 100% \pm 2 digits
- Without Motion - neonate: 70 to 100% \pm 3 digits
- With Motion - adult/pediatric/neo: 70 to 100% \pm 3 digits
- Low perfusion:
 - 70 to 100% \pm 2 digits
 - 0 to 69% unspecified

Pulse rate

- Without Motion: 25 to 240 bpm \pm 3 digits
- With Motion: normal physiologic range 25 to 240 bpm \pm 5 digits



Specifications

Alaris Turbo Temperature

Scale: °Fahrenheit (F)°; °Celsius (C)

Range

Predictive mode Max: 41.1°C; 106.0°F; Min: 35.6°C; 96.0°F

Monitor mode: Max: 41.1°C; 106.0°F; Min: 26.7°C; 80.0°F

Monitor Mode Accuracy: $\pm 0.1^{\circ}\text{C}$; $\pm 0.2^{\circ}\text{F}$ (when tested in a calibrated liquid bath; meets ASTM E1112, Table 1, in range specified)

Determination Time (approx.): 10 seconds, typical

Battery

Capacity: 6V; 3.3 Ahr sealed lead acid battery

Battery Life

8.1 hours (standard deviation of 0.46) with a usage scenario of: NIBP determinations every 15 minutes with SpO2 and temperature active.

11.5 hours (standard deviation of 0.53) non-SpO2 versions with a usage scenario of: NIBP determinations every 15 minutes with temperature active.

Charge Time (Approx.): 5 hours from full discharge when the monitor is off
Approx. 8 hours when the monitor on.

