



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 spO<sub>2</sub>, 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.



# Specifications

## NIBP

**Cuff Pressure Range** (Normal operating range):

- 0 to 290 mmHg (adult/ped)
- 0 to 145 mmHg (neonate)

**Blood Pressure Accuracy** (Classic and Auscultatory): Meets ANSI/AAMI standard SP-10:1992 (mean error  $\leq 5$  mmHg, standard deviation  $\leq 8$  mmHg).

**Blood Pressure Accuracy** (SuperSTAT): Meets ANSI/AAMI standard SP-10:2002 (mean error  $\leq 5$  mmHg, standard deviation  $\leq 8$  mmHg).

**Maximum Determination:** 120 s (adult/ped) 85 s (neonate)

**Overpressure Cutoff:** 300 to 330 mmHg (adult/ped) 150 to 165 mmHg (neonate).

## BP Range (Classic and Auscultatory)

### Systolic

- 30 to 245 mmHg (adult/ped)
- 40 to 140 mmHg (neonate)

### MAP

- 15 to 215 mmHg (adult/ped)
- 30 to 115 mmHg (neonate)

### Diastolic

- 10 to 195 mmHg (adult/ped)
- 20 to 100 mmHg (neonate)

## BP range (SuperSTAT)

### Systolic

- 30 to 290 mmHg (adult/ped)
- 30 to 140 mmHg (neonate)

### MAP

- 20 to 260 mmHg (adult/ped)
- 20 to 125 mmHg (neonate)

### Diastolic

- 10 to 220 mmHg (adult/ped)
- 10 to 110 mmHg (neonate)

**Pulse rate range** (Classic and Auscultatory)

- 30 to 200 beats/min (adult/ped)
- 30 to 220 beats/min (neonate)

**Pulse rate range** (SuperSTAT)

- 30 to 240 beats/min (adult/ped)
- 30 to 240 beats/min (neonate)

**Pulse rate accuracy  $\pm 3.5\%$  or 3 bpm**



# Specifications

**Ohmeda TruSignal SpO2  
Measurement Range**

**SpO2:** 1 to 100%  
**Pulse Rate:** 30 to 250 bpm  
**Perfusion Range:** 0.03 to 20%

**Ohmeda TruSignal SpO2  
Accuracy**

**Saturation**  
 Adult: 70 to 100%  $\pm 2$  digits whichever is greater, (without motion)  
 Neonate: 70 to 100%  $\pm 3$  digits (without motion)  
 Adult/Neonate: 70 to 100%  $\pm 3$  digits (during clinical motion)  
 Low perfusion: 70 to 100%  $\pm 2$  digits (during clinical low perfusion)

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

**Nellcor Oximax SpO2  
Measurement Range**

**SpO2:** 1 to 100%  
**Pulse Rate:** 20 to 250 bpm  
**Perfusion Range:** 0.03 to 20%

**Nellcor Oximax SpO2  
Accuracy**

**Saturation**  
 Adult: 70 to 100%  $\pm 2$  digits whichever is greater, (without motion)  
 Neonate: 70 to 100%  $\pm 3$  digits (without motion)  
 Low perfusion: 70 to 100%  $\pm 2$  digits (during clinical low perfusion)

**Pulse rate**  
 Adult /Neonate: 40 to 250 bpm:  $\pm 3$  digits  
 Low perfusion: 40 to 250 bpm:  $\pm 3$  digits

**Masimo SET SpO2  
Measurement Range**

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

**Masimo SET SpO2 Accuracy**

**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



