

## GE Dinamap CARESCAPE V100 Patient Monitor



- **Configurations:**
  - NIBP/Rec (standard)
  - NIBP/SpO2
  - NIBP/SpO2/Temp
- **Options:**
  - Nellcor SpO2
  - Massimo SpO2

Typical Manufacturer's Picture

### Specifications

#### Alaris Turbo-Temp Specs

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  $\pm 0.1^{\circ}\text{C}$ ;  $\pm 0.2^{\circ}\text{F}$

#### Printer Spec

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

#### Battery Specs

**Capacity:** 6V; 3.3 Ahr sealed lead acid battery protected by internal auto-resetting fuse and thermal protection

#### Battery Life:

8.1 hours with a usage scenario of: NIBP determinations every 15 minutes with SpO2 and temperature active. 11.5 hours non-SpO2 versions with a usage scenario of: NIBP determinations every 15 minutes with temperature active.

**Charge time:** Approximately 5 hours from full discharge when the monitor is off. Approximately 8 hours when the monitor on.

## **Nellcor Oxi-Max Specifications**

### **Measurement Range**

SpO<sub>2</sub> 1 to 100%

Pulse Rate 20 to 250 bpm

Perfusion Range 0.03 to 20%

### **Accuracy**

#### **Saturation**

Adult\* 70 to 100% ±2 digits

Neonate\* 70 to 100% ±3 digits

Low Perfusion\*\* 70 to 100% ±2 digits

#### **Pulse Rate**

Adult and neonate 40 to 250 bpm ±3 digits

Low Perfusion\*\* 40 to 250 bpm ±3 digits

### **Factory Default Settings**

SpO<sub>2</sub> HIGH Alarm Limit 100%

SpO<sub>2</sub> LOW Alarm Limit 90%

Response mode 1

(for Mode 1: Normal Response)

SatSeconds™ 0

## **Masimo SET Specifications**

### **Measurement Range**

SpO<sub>2</sub> 1 to 100%

Pulse Rate 25 to 240 bpm

Perfusion Range 0.02 to 20%

### **Accuracy and Motion Tolerance**

#### **Saturation**

Without Motion adult/pediatric\* 70 to 100% ±2 digits

Without Motion neonate\* 70 to 100% ±3 digits

With Motion adult/ped/neonate\*\*† 70 to 100% ±3 digits

Low Perfusion‡ 70 to 100% ±2 digits

0 to 69% unspecified

#### **Pulse Rate**

Without Motion 25 to 240 bpm ±3 digits

With Motion normal physiologic range 25 to 240 bpm ±5 digits

### **Low Perfusion Performance**

0.02% Pulse amplitude Saturation (% SpO<sub>2</sub>) ± 2 digits

% transmission >5% Pulse rate ± 3 digits

## **NIBP Specifications**

Cuff Pressure Range (Normal operating range)

0 to 290 mmHg (adult/ped)

0 to 145 mmHg (neonate)

Blood Pressure Accuracy (SuperSTAT™ NIBP algorithm)

Blood Pressure Accuracy (Classic and Auscultatory)

Meets ANSI/AAMI Standard SP-10:1992 (mean error ≤5 mmHg, standard deviation ≤8 mmHg)

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)

**Blood Pressure Range (SuperSTAT NIBP Algorithm)**

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)

**Blood Pressure 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)

Distolic 10 to 195 mmHg (adult/ped)

20 to 100 mmHg (neonate)

Pulse Rate Range (SuperSTAT NIBP algorithm)

30 to 240 beats/min (adult/ped)

30 to 240 beats/min (neonate)

Pulse Rate Range (Classic and Auscultatory)

30 to 200 beats/min (adult/ped)

30 to 220 beats/min (neonate)

Pulse Rate Accuracy  $\pm 3.5\%$  or 3 bpm

**GE Ohmeda® SpO2 Specifications**

**Measurement Range**

SpO2 1 to 100%

Pulse Rate 30 to 250 bpm

Perfusion Range 0.03 to 20%

**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

**Mechanical Dimensions**

Height 7.7 in (19.5 cm)

Width 8.6 in (21.9 cm) without temperature; 10.0 in (25.4 cm) with temperature

Depth 5.3 in (13.5 cm)

Weight 5.4 lb (2.4 kg) including battery

**Power Requirements**

Power converter 2018859-001 universal P/N

Protection against Class II electrical shock

AC input Voltage 100 to 250VAC, 12VA

DC output Voltage 12VDC at 1A

The AC mains power adapter contains a nonresettable and nonreplaceable fuse.

**Monitor**

Protection against Internally powered or Class II when powered electrical shock 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.

Battery Refer to “Battery” Section



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