GE Dinamap CARESCAPE V100 Patient Monitor

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 ±0.1°C; ±0.2°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.

Configurations:
- NIBP/Rec (standard)
- NIBP/SpO2
- NIBP/SpO2/Temp

Options:
- Nellcor SpO2
- Massimo SpO2

Typical Manufacturer’s Picture
Nellcor Oxi-Max Specifications
Measurement Range
SpO2 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
SpO2 HIGH Alarm Limit 100%
SpO2 LOW Alarm Limit 90%
Response mode 1
(for Mode 1: Normal Response)
SatSeconds™ 0

Masimo SET Specifications
Measurement Range
SpO2 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 (% SpO2) ± 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 (SuperSTATTM 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 ≤5 mmHg, standard deviation ≤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 ± 3.5% or 3 bpm

**GE Ohmeda® SpO2 Specifications**

**Measurement Range**

SpO2 1 to 100%
Pulse Rate 30 to 250 bpm

**Accuracy**

**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 ± 2%, whichever is greater, (without motion)
30 to 250 bpm: ± 5 digits (during motion)
Low Perfusion 30 to 250 bpm ±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

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**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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