



CARESCAPE™ ONE Monitoring System

All in ONE



The visionary CARESCAPE ONE monitoring system defies the conventional thinking of an intra-hospital transport solution. Durable, lightweight, and intelligently designed CARESCAPE ONE monitor and miniaturized CARESCAPE PARAMETER devices can dynamically flex across care areas and acuties without the need for additional hardware or software configurations.

One solution for enhanced care and optimized workflow

The CARESCAPE ONE monitoring system consists of CARESCAPE ONE monitor and miniaturized CARESCAPE PARAMETER devices.

The CARESCAPE ONE monitor

- The CARESCAPE ONE monitor is truly modular open architecture based intra-hospital transport unit with large screen and interchangeable medical USB connectors.
- The CARESCAPE ONE monitor with its ultra-light, portable and compact design and highly visible display makes any bed a transport bed.
- The CARESCAPE ONE monitor supports bedside and transport clinical workflows across different patient environments and acuity levels by functioning as an independent intra-hospital transport monitor and a multi-parameter acquisition module compatible with the CARESCAPE B850 monitor.
- The CARESCAPE ONE monitor familiar user interface and auto-rotating screen further reduces typical workflow challenges.
- The CARESCAPE ONE monitor integrates with the CARESCAPE Gateway with data backfill and enables gapless communications to EMR systems when connected to the CARESCAPE B850 bedside monitor.

The CARESCAPE PARAMETER devices

- The CARESCAPE PARAMETERS provide comprehensive set of flexible measurements and meet the various needs for low and high acuity intra-hospital transfer.
- The CARESCAPE PARAMETERS are minimized in size and enable parameter plug-and-play experience for streamlined workflow.
- The CARESCAPE PARAMETERS together with full CARESCAPE ONE monitoring system utilize the latest level of GE's clinical algorithms to aid in accurate diagnosis including 12SL™, GE EK-Pro, four ECG lead simultaneous arrhythmia analysis with ST detection, GE DINAMAP™ SuperSTAT non-invasive blood pressure, Masimo™ SET™ SpO₂, Nellcor™ Oximax™ SpO₂, GE TruSignal™ SpO₂, and Respirationics™ LoFlo CO₂.

One solution for protecting long-term investments

- The CARESCAPE ONE monitoring system provides a standardized yet fully flexible platform with one device and one software to support cost effective fleet management.
- The CARESCAPE ONE monitoring system works throughout various care areas enabling plug-and-play upgradability when needs evolve.
- The visionary and extendable design of CARESCAPE ONE monitoring system will enable easy integration of today's and tomorrow's technologies.
- The CARESCAPE ONE monitor's rugged engineering with protective frame, Dragontrail™ screen and over-mold manufactured CARESCAPE PARAMETERS are designed to withstand harsh treatments.
- Selection of regional warranty programs, maintenance contracts and repair options, two-year preventive maintenance schedule and a comprehensive set of field replacement service parts can lower the cost of ownership of the CARESCAPE ONE monitoring system and simplify long-term capital equipment planning.

CARESCAPE ONE monitor



Environmental and physical specifications

Display size	7 inch diagonal
Display type	Active matrix color TFT LCD
Display resolution	800x480
Number of waveform fields	Up to 4 simultaneously
Number of parameter windows	Up to 7 simultaneously
Number of digit fields	Up to 4
Display layout and colors	User-configurable
Touchscreen technology	Projected capacitive
Touch screen with direct function keys and selections and adjustments in menus.	
Display rotation	Display image rotates when CARESCAPE ONE is rotated 180 degrees.
CARESCAPE PARAMETER connectors	Eight USB 2.0 full speed parameter connections
Analog out / Defibrillator synchronization connector	Invasive pressure and ECG analog outputs. Defibrillator synchronization input and output signals.
Operating temperature range	0°C to 40°C (32°F to 104°F)
Non-operating temperature range	-30°C to 70°C (-22°F to 158°F)
Operating humidity range	5% to 95% RH (non-condensing)
Non-operating humidity range	5% to 95% RH (non-condensing)
Operating altitude range	-500 m (1075 hPa) to 4000 m (616 hPa)
Non-operating altitude range	-500 m (1075 hPa) to 5573 m (500 hPa)

Degree of enclosure protection against solid objects and water IP41

Physical specifications

Dimensions (H x W x D) 15.5 cm x 27.0 cm x 6.5 cm (6.1 in x 10.6 in x 2.6 in)

Weight <1.85 kg (4.08 lbs) with battery

Power specifications

Power requirements Battery or DC input from CARESCAPE F0 Dock

Output 15VDC nominal, 60 W maximum

Cooling Natural convection

Battery

Type One removable Lithium-Ion battery

Voltage 10.8 Volt (nominal)

Capacity 3.8 Amp hour minimum (new)

Charge time 4 hours

Run time Approximately 5 hours (new, fully charged)

Battery life 300 cycles to 60% capacity

Battery status LED indicators on the battery

CARESCAPE Dock F0

Size (H x W x D)	9.0 cm x 21.0 cm x 7.5 cm (3.5 in x 8.3 in x 3.0 in)
Weight	< 0.5 kg (1.0 lb)
Operating temperature range	0°C to 40°C (32°F to 104°F)
Non-operating temperature range	-30°C to 70°C (-22°F to 158°F)
Operating humidity range	5% to 95% RH (non-condensing)
Non-operating humidity range	5% to 95% RH (non-condensing)
Operating altitude range	-500 m (1075 hPa) to 4000 m (616 hPa)
Non-operating altitude range	-500 m (1075 hPa) to 5573 m (500 hPa)
Degree of enclosure protection against solid objects and water	IP42

CARESCAPE PARAMETERS



The following CARESCAPE PARAMETER devices are currently available with CARESCAPE ONE monitor

CARESCAPE ECG, CARESCAPE SpO₂ - GE, CARESCAPE SpO₂ - Nellcor, CARESCAPE SpO₂ - Masimo, CARESCAPE Invasive Pressure, CARESCAPE Temperature, CARESCAPE CO₂ - LoFlo

ECG

Standard leads available	I, II, III, V1 to V6, aVR, aVL, and aVF
Leadsets supported	3-, 5-, 6-, and 10-leadwire
Lead fail	Identifies failed electrodes and switches to those intact
Lead fail sensing current	Active patient electrode: 12.8 nA typical (each) Reference electrode < 150 nA maximum
Gain selections	0.5x = 5 mm/mV 1x = 10 mm/mV 2x = 20 mm/mV 4x = 40 mm/mV

Display bandwidth

Diagnostic	0.05 to 150 Hz
Monitoring	50 Hz powerline frequency: 0.05 to 32 Hz 60 Hz powerline frequency: 0.05 to 40 Hz
Moderate	0.05 to 23 Hz
Maximum	4.5 to 27 Hz
Differential offset voltage	± 0.4V

Input impedance

Differential	> 2.5 M Ω from dc to 60 Hz
Maximum tall T-wave rejection capability	< 4.5 mV with a 1 mV QRS test signal
Pacemaker marker	5 V, 2 ms pulse; summed with the ECG analog output
Defibrillator sync delay	< 35 ms
Defibrillation protection	5000 V, 360 J

Analog output

ECG signal gain	1 V/1 mV ±10%
ECG signal bandwidth	Diagnostic: 0.05 to 125 Hz Monitoring: 0.05 to 40 Hz Moderate: 0.05 to 25 Hz Maximum: 0.05 to 25 Hz
ECG analog output delay	< 35 ms

Input specification

QRS detection range	±0.5 mV to ±5 mV
QRS detection width	40 ms to 120 ms (Q to S)
Heart rate range	20 to 300 beats per minute
Common mode rejection	90 dB minimum at 50 / 60 Hz
Signal gain accuracy	±5%
Noise	< 30 μV (referred to input)
Sampling rate	500 samples/second

Heart rate

The ECG heart rate indicates a new heart rate for a simulated step increase of 80 to 120 bpm and a step decrease of 80 to 40 bpm in less than 10 s.

Heart rate calculation operates with irregular rhythms IEC 60601-2-27 Clause 201.7.9.2.9.101 b) 4), according to Figure 201.101, as follows

Ventricular bigeminy:	80 bpm
Slow alternating ventricular bigeminy:	59 bpm
Rapid alternating ventricular bigeminy:	126 bpm
Bidirectional systoles:	110 bpm
Heart rate averaging computation	12-second median HR values 12-second HR median calculation extended to a maximum of 32 seconds based on signal noise when software package is ICU, ED, OR, or PACU.
Display update interval	< 2 seconds

Response time	Display a new heart rate for a step increase of 80 to 120 bpm and a step decrease of 80 to 40 bpm in less than 10 s.
PVC rate range	0 to 300 PVCs/minute
PVC rate resolution	1 PVC/minute
Arrhythmia calls	Full, lethal only, or no arrhythmia

ST segment analysis

Measurement description	ST segment deviation is measured for all acquired leads
ST display	Lead with the most deviation
ST numeric range	-20.0 mm to 20.0 mm
ST numeric resolution	0.1 mm
ST measurement	16 beats averaging
ST numeric accuracy	±0.4 mm or 20%, whichever is greater

Pace detection/rejection

Input voltage range for pace detection and rejection	±2 mV to ±700 mV
Input pulse width	0.1 ms to 2 ms
Over/under shoot	Overshoot measured using Method A of AAMI EC13 4.1.4.2
Heart rate accuracy	±1% or ±1 bpm, whichever is greater
Heart rate resolution	1 bpm
Heart rate sensitivity	≥ 0.5 mV peak

Alarms

Heart rate limit alarms	User selectable upper and lower limits for heart rate
Heart rate limit alarm range	0 to 300 beats/minute
ST limit alarms	User selectable upper and lower limits for individual leads
PVC limit alarms	User selectable upper limit
SVC limit alarms	User selectable upper limit
Arrhythmia alarms	Lethal, full

Environmental and physical specifications

Length	3.7 m or 1.9 m (12.1 or 6.2 ft)
Weight	<0.57 kg (1.26 lb), includes long 10 leadwire set

Operating temperature range	0°C to 35°C (32°F to 95°F)
Non-operating temperature range	-30°C to 70°C (-22°F to 158°F)
Operating humidity range	5% to 95% RH (non-condensing)
Non-operating humidity range	5% to 95% RH (non-condensing)
Operating altitude range	-500 m (1075 hPa) to 4000 m (616 hPa)
Non-operating altitude range	-500 m (1075 hPa) to 5573 m (500 hPa)
Degree of enclosure protection against solid objects and water	IP47

Power

Consumption	625 mW maximum
Input voltage	5 VDC ± 0.25 VDC
Input current	125 mA maximum

Impedance respiration

Rate range	0 to 200 breaths/minute
Rate resolution	1 breath/minute
Leads available	I, II, and RL-LL
Waveform sweep speed options	0.625 mm/s, 6.25 mm/s, 12.5 mm/s, 25 mm/s, and 50 mm/s
Respiration sensing current	< 100 uA RMS

Input impedance range

Dynamic	0.4 to 10 Ω
Static	100 to 1500 Ω @52.3 kHz
Accuracy	±1 breath/minute over the range of 0 to 120 breaths per minute ±3 breaths/minute over the range of 121 to 200 breaths per minute
Carrier frequency	52.3 kHz ± 5 Hz

Alarms

Alarm limit	User-selectable upper and lower limits
Alarm range	4 to 120 breaths/minute
No Breath alarm range	3 to 30 seconds

Pulse Oximetry

SpO₂ displayed saturation values

GE TruSignal, Masimo SET, and Nellcor OxiMax pulse oximetry are calibrated to display functional saturation.

Alarms

Pulse oximetry limit alarms	User selectable upper and lower limits for SpO ₂
Pulse oximetry limit alarm range	Upper limit 32 - 100% Lower limit 30 - 100%
Pulse oximetry limit alarm increment	1 %
Pulse oximetry pulse rate limit alarms	User selectable upper and lower limits for SpO ₂ pulse rate
Pulse oximetry pulse rate limit alarm increment	1 beat/minute

Pulse Oximetry Performance Specifications

Display resolution	1 digit (% of SpO ₂)
Peripheral pulse rate resolution	1 bpm
Display update period	Less than 30s
Sweep speed options	6.25, 12.5, 25, and 50 mm/s
Waveform scale options	GE: AUTO, 50, 20, 10, 5, 2 Masimo and Nellcor: 1x, 2x, 4x, and 8x
Parameters monitored	Arterial oxygen saturation (SpO ₂) and pulse rate

TruSignal

Range	SpO ₂ : 0 to 100% Pulse rate: 30 to 300 bpm
Accuracy	
Without motion	SpO ₂ (70% to 100%): ±2 Adult/ Pediatric, ±3 Neonatal SpO ₂ (<70%): Unspecified
With motion	SpO ₂ (70% to 100%): ±3 Adult/ Pediatric/Neonatal SpO ₂ (<70%): Unspecified
Low perfusion	SpO ₂ (70% to 100%): ±2 Adult/ Pediatric, ±3 Neonatal SpO ₂ (< 70%): Unspecified

Masimo¹

Range	SpO ₂ : 0 to 100% Pulse Rate: 25 to 240 bpm
Accuracy	
Without motion	SpO ₂ (70% to 100%): ±2 Adult, ±3 Neonatal SpO ₂ (< 70%): Unspecified
With motion	SpO ₂ (70% to 100%): ±3 Adult/ Neonatal SpO ₂ (< 70%): Unspecified
Low perfusion	SpO ₂ (70% to 100%): ±2 Adult, ±3 Neonatal SpO ₂ (< 70%): Unspecified

Nellcor

Range	SpO ₂ : 1 to 100% Pulse rate: 20 to 300 bpm
Accuracy	
With/without motion	SpO ₂ (70% to 100%): ±2 Adult/ Neonatal SpO ₂ (60% to 80%): ±3 Adult/ Neonatal SpO ₂ (< 60%): Unspecified
Low perfusion	SpO ₂ (70% to 100%): ±3 Adult/ Neonatal SpO ₂ (< 70%): Unspecified

Pulse oximetry peripheral pulse rate

TruSignal

Low perfusion range	0.03 - 20%
Accuracy	
Without motion	30 to 250 bpm ±2 Adult/ Pediatric/Neonatal
With motion	30 to 250 bpm ±5 Adult/ Pediatric/Neonatal
Low perfusion	30 to 250 bpm ±3 Adult/ Pediatric/Neonatal

¹ Masimo rainbow SET technology performance

Masimo¹

Low perfusion range	0.02 - 20%
Accuracy	
Without motion	25 to 240 bpm \pm 3 Adult/ Pediatric/Neonatal
With motion	20 to 240 bpm \pm 3 Adult/ Pediatric/Neonatal
Low perfusion	25 to 240 bpm \pm 3 Adult/ Pediatric/Neonatal

Nellcor

Low perfusion range	0.03 - 20%
Accuracy	
Without motion	20 to 250 bpm \pm 3 Adult/ Neonatal
With motion	20 to 250 bpm \pm 5 Adult/ Pediatric/Neonatal
Low perfusion	20 to 250 bpm \pm 3 Adult/Neonate

Environmental and physical specifications**TruSignal**

Length	3.0 m or 1.8 m (9.8 or 5.9 ft)
Weight	<0.17 kg (0.38 lb)
Operating temperature range	0°C to 40°C (32°F to 104°F)
Non-operating temperature range	-30°C to 70°C (-22°F to 158°F)
Operating humidity range	5% to 95% RH (non-condensing)
Non-operating humidity range	5% to 95% RH (non-condensing)
Operating altitude range	-500 m (1075 hPa) to 4000 m (616 hPa)
Non-operating altitude range	-500 m (1075 hPa) to 5573 m (500 hPa)
Degree of enclosure protection against solid objects and water	IP47

Power

Consumption	375 mW maximum
Input voltage	5 VDC \pm 0.25 VDC
Input current	75 mA maximum

Masimo

Length	1.9 m or 1.0 m (6.2 or 3.3 ft)
Weight	<0.33 kg (0.82 lb)
Operating temperature range	0°C to 35°C (32°F to 95°F)
Non-operating temperature range	-30°C to 70°C (-22°F to 158°F)
Operating humidity range	5% to 95% RH (non-condensing)
Non-operating humidity range	5% to 95% RH (non-condensing)
Operating altitude range	-500 m (1075 hPa) to 4000 m (616 hPa)
Non-operating altitude range	-500 m (1075 hPa) to 5572 m (500 hPa)
Degree of enclosure protection against solid objects and water	IP47

Power

Consumption	2.15 W maximum
Input voltage	5 VDC \pm 0.25 VDC
Input current	430 mA maximum

Nellcor

Length	3.6 m or 1.2 m (11.8 or 3.9 ft)
Weight	<0.20 kg (0.44 lb)
Operating temperature range	0°C to 35°C (32°F to 95°F)
Non-operating temperature range	-40°C to 70°C (-40°F to 158°F)
Operating humidity range	5% to 95% RH (non-condensing)
Non-operating humidity range	5% to 95% RH (non-condensing)
Operating altitude range	-500 m (1075 hPa) to 4000 m (616 hPa)
Non-operating altitude range	-500 m (1075 hPa) to 5572 m (500 hPa)
Degree of enclosure protection against solid objects and water	IP47

Power

Consumption	350 mW maximum
Input voltage	5 VDC \pm 0.25 VDC
Input current	

¹ Masimo rainbow SET technology performance

NIBP

Performance specifications

Measurement technique	Oscillometric
Displayed parameters	Systolic, diastolic, and mean pressures, time of last measurement, and cuff pressure
Modes	Manual, Auto and Stat
Total cycle time	20 to 40 seconds typical (Dependent on heart rate, pressure, and motion artifact)

Measurement range

Adult	15 to 300 mmHg (2.0 to 40.0 kPa)
Child	15 to 260 mmHg (2.0 to 34.7 kPa)
Infant	15 to 155 mmHg (2.0 to 20.7 kPa)

NIBP pressure display range

Adult	15 to 300 mmHg (2.0 to 40.0 kPa)
Child	15 to 260 mmHg (2.0 to 34.7 kPa)
Infant	15 to 155 mmHg (2.0 to 20.7 kPa)
Cuff pressure range	0 to 315 mmHg (0.0 to 42.0 kPa)

Pressure accuracy

Static	$\pm 2\%$ or ± 3 mmHg (0.4 kPa), whichever is greater
Clinical	± 5 mmHg (0.7 kPa) average error, 8 mmHg (1.1 kPa) standard deviation
Auto zero	Auto zero pressure reference
Automatic cuff deflation conditions	Power off Adult and child cuff cycle time exceeding 125 seconds Infant cuff cycle time exceeding 90 seconds Adult and child cuff pressure exceeds 300 mmHg (40.0 kPa) Infant cuff pressure exceeds 150 mmHg (20.0 kPa)
Tubing length	Variable

Cuff sizes

Disposable	Large adult, adult, small adult, pediatric, child, and neonatal
Reusable	Adult thigh, large adult, adult, small adult, small adult/child, child, and infant

Maximum inflation pressures

Adult	290 \pm 6 mmHg (38.7 \pm 0.8 kPa)
Child	250 \pm 5 mmHg (33.3 \pm 0.7 kPa)
Infant	145 \pm 5 mmHg (19.3 \pm 0.7 kPa)

Automatic cycle times

1 min, 2 min, 2.5 min, 3 min, 4 min, 5 min, 10 min, 15 min, 20 min, 30 min, 1 h, 2 h and 4 h

Default NIBP measurement initial inflation pressures

Adult	135 mmHg (18.0 kPa)
Child	125 mmHg (16.7 kPa)
Infant	100 mmHg (13.3 kPa)

Alarms

NIBP limit alarms	User selectable upper and lower limits for systolic, diastolic, and mean pressures
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Invasive Pressure

Performance Specifications

Number of channels	2
Transducer sites, site name, and displayed values	Arterial (ART) Systolic, diastolic, mean and rate Femoral (FEM) Systolic, diastolic, mean and rate Femoral Vein (FEMV) Mean Pulmonary artery (PA) Systolic, diastolic, mean Central venous pressure (CVP) Mean Intra-cranial pressure (ICP) Mean Left atrial (LAP) Mean Right atrial (RAP) Mean Right vein (RVP) Mean Umbilical artery (UAC) Systolic, diastolic, mean, and rate Umbilical vein (UVC) Mean
Range	-98 mmHg to 349 mmHg (-13.1 to 46.5 kPa)
Resolution	1 mmHg
Displayed frequency response	0 to 12 Hz or 0 to 40 Hz (-3dB) user-selectable
Zero balance accuracy	±1 mmHg (±0.1 kPa)
Measurement accuracy	±0.5% ±1.50 mmHg (excluding transducer) ±4% or ±4 mmHg, which ever is greater (including transducer)
Pulse rate accuracy	±2% or ±2 bpm, whichever is greater
Units	mmHg or kPa
Sweep speed options	6.25, 12.5, 25, and 50 mm/s
Pulse rate range	0 to 360 bpm
Pulse rate resolution	1 bpm
Waveform display scale	User and automatic
Display scale selections	0-10, to 0-300 mmHg, with a step size of 10 mmHg (0.0-2.0, to 0.0-40.0 kPa, with a step size of 2.0 kPa); or automatic scale based on valid waveform values from last 4 seconds with a lower limit of -100 mmHg (-14 kPa) and an upper limit of 350 mmHg (48 kPa) and a step size of 10 mmHg (2.0 kPa)

Transducer interfaces supported Argon Medical, ICU Medical, Edwards Lifesciences, and Utah Medical

Transducer measurement accuracy Compatible Invasive pressure transducers used in the system shall have an accuracy specification of ±2% or ±2 mmHg, whichever is greater

Alarms

Alarm limits	User selectable upper and lower limits for systolic, diastolic, and mean pressures
Alarm limit range	-99 to 350 mmHg
Pulse rate alarm limits	User selectable upper and lower limits for invasive pressure pulse rate

Environmental and physical specifications

Length	3.6 m or 1.8 m (11.8 or 5.9 ft)
Weight	<0.26 kg (0.57 lb)
Operating temperature range	0°C to 40°C (32°F to 104°F)
Non-operating temperature range	-30°C to 70°C (-22°F to 158°F)
Operating humidity range	5% to 95% RH (non-condensing)
Non-operating humidity range	5% to 95% RH (non-condensing)
Operating altitude range	-500 m (1075 hPa) to 4000 m (616 hPa)
Non-operating altitude range	-500 m (1075 hPa) to 5573 m (500 hPa)
Degree of enclosure protection against solid objects and water	IP47

Power

Consumption	425 mW maximum
Input voltage	5 VDC ± 0.25 VDC
Input current	85 mA maximum

Temperature

Number of channels	2
Parameters displayed	T1, T2
Measurement units	°C or °F
Measurement range	0°C to 45°C (32°F to 113°F)
Display resolution	0.1°C (0.1°F)
Test measurement cycle	Every minute

Temperature system measurement accuracy

CARESCAPE ONE system excluding temperature probes	18°C to 45°C (64°F to 113°F): ±0.1°C (±0.2°F), rated output range 0°C to less than 18°C (32°F to 64°F): ±0.2°C (±0.4°F), extended output range
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Temperature probe instructions for use specify the probe accuracy

With series 400 reusable temperature probes with ±0.1°C accuracy	18°C to 45°C (64°F to 113°F): ±0.2°C (±0.4°F)
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With series 400 disposable temperature probes with ±0.2°C accuracy	18°C to 45°C (64°F to 113°F): ±0.3°C (±0.5°F)
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Alarms

Alarm limit	User selectable upper and lower limits for T1, T2
Alarm limit range	10°C to 45°C (50°F to 113°F)
Alarm limit increment	0.1°C (0.18°F)
Delta temperature alarm limit	User selectable upper limit

Environmental and physical specifications

Operating temperature range	0°C to 40°C (32°F to 104°F)
Non-operating temperature range	-30°C to 70°C (-22°F to 158°F)
Operating humidity range	5% to 95% RH (non-condensing)
Non-operating humidity range	5% to 95% RH (non-condensing)
Operating altitude range	-500 m (1075 hPa) to 4000 m (616 hPa)
Non-operating altitude range	-500 m (1075 hPa) to 5573 m (500 hPa)
Degree of enclosure protection against solid objects and water	IP47

Power

Consumption	325 mW maximum
Input voltage	5 VDC ± 0.25 VDC
Input current	65 mA maximum

CO₂

Range	0-19.7%
Flow Rate	50 mL/min +/- 10 mL/min

Accuracy

After 2 minutes warm-up	0 and 40 mmHg (0 and 5,3 kPa): ±2.0 mmHg (±0.29 kPa). 41–70 mmHg (5.4–9.3 kPa): ±5% 71–100 mmHg (9.4–13.3 kPa) ±8% 101–150 mmHg (13.4–20 kPa): ±10%
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At respiration rates above 80 rpm, all ranges are ±12% of reading. The specifications are valid for gas mixtures of CO₂, balance N₂, dry gas at 760 mmHg (101.3 kPa) within specified operating temperature range.

Resolution

Numeric	1.0 mmHg (0.1 kPa)
Wave	0.1 mmHg (0.01 kPa)

awRR (airway respiratory rate)

Range	2-150 rpm
Accuracy	± 1 rpm

Warm-up Time 2 minutes with CO₂ sensor attached for full accuracy specification

Total System Response Time	3 seconds for on-airway adapter kits (Additional 30ms for sidestream sampling cannulas) (Additional 2 seconds for extension line and dehumidification tubing)
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Total System Rise Time	200ms for on-airway adapter kits (Additional 30ms for sidestream sampling cannulas) (Additional 80 ms for extension line and dehumidification tubing)
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CO ₂ sweep speed options	0.625, 6.25, 12.5, 25, and 50 mm/s
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Environmental and physical specifications

Operating temperature range	0°C to 35°C (32°F to 95°F)
Non-operating temperature range	-30°C to 70°C (-22°F to 158°F)
Operating humidity range	5% to 90% RH (non-condensing)
Non-operating humidity range	5% to 90% RH (non-condensing)
Operating altitude range	-350 m (1056 hPa) to 4000 m (616 hPa)
Non-operating altitude range	-350 m (1056 hPa) to 5572 m (500 hPa)
Degree of enclosure protection against solid objects and water	IP47

Power

Consumption	3.75 W maximum
Input voltage	5 VDC ± 0.25 VDC
Input current	750 mA maximum

CARESCAPE PARAMETERS standards compliance

Pressure Standards Compliance

The system with CARESCAPE PARAMETER Pressure complies with IEC 60601-2-34:2011-05.

Temperature Standards Compliance

The system with CARESCAPE PARAMETER Temperature complies with ISO 80601-2-56:2009-10-01.

The CARESCAPE PARAMETER Temperature sensor interface cable, excluding the module interface connector and strain relief, and compatible probes are type CF DEFIBRILLATION-PROOF APPLIED PARTs per IEC 60601-1:2012.

ECG Standards Compliance

The system with CARESCAPE PARAMETER ECG complies with IEC 60601-2-27:2011-03.

The CARESCAPE PARAMETER ECG enclosure and USB interface cable, excluding the module interface connector and strain relief, and compatible lead wires and electrodes are type CF DEFIBRILLATION-PROOF APPLIED PARTs per IEC 60601-2-27 Clause 201.8.3 and Clause 201.8.5.5.

CO₂ Standards Compliance

The system with CARESCAPE PARAMETER CO₂ LoFlo complies with ISO 80601-2-55:2011-12.

The CARESCAPE CO₂ accessories that are intended to be connected with the breathing system are TYPE BF DEFIBRILLATION-PROOF APPLIED PARTs per ISO 80601-2-55 Clause 201.4.6.

Pulse Oximetry Standards Compliance

The system with CARESCAPE PARAMETER Pulse Oximetry complies with ISO 80601-2-61:2011-04.

The CARESCAPE PARAMETER Pulse Oximetry sensor interface cable, excluding the module strain relief, and compatible sensors are type BF DEFIBRILLATION-PROOF APPLIED PARTs per IEC 60601-1:2012.

NIBP Standards Compliance

The system complies with IEC 80601-2-30:2013-07.

The system was clinically tested according to ISO 81060-2:2013.

The non-invasive blood pressure APPLIED PART within the compatible parameter measurement modules are classified as a DEFIBRILLATION PROOF TYPE BF per IEC 80601-2-30:2013 Clause 201.6 and 201.8.5.5.101.



Imagination at work

Product may not be available in all countries and regions. Full product technical specification is available upon request. Contact a GE Healthcare Representative for more information. Please visit www.gehealthcare.com/promotional-locations.

Data subject to change.

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CARESCAPE ONE: MBZ101
CARESCAPE DOCK F0: MFA101
CARESCAPE ECG: MKE101
CARESCAPE Temperature: MKT101
CARESCAPE Invasive Pressure: MKP101
CARESCAPE SpO₂: MKS101, MKS102
CARESCAPE SpO₂ - Nellcor: MKN101
CARESCAPE SpO₂ - Masimo: MKM101
CARESCAPE CO₂ - LoFlo: MKC101

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No CE Mark. Device may not be placed on market prior to CE Mark.