



CARESCAPE B450 monitor

Powerful monitoring
in a compact design.



CARESCAPE ONE



CARESCAPE B450 monitor

The CARESCAPE™ B450 monitor is a compact bedside solution with the flexible power to meet most patient needs. The device is lightweight and capable of maintaining patient monitoring and data continuity in cases where intra-hospital transport is needed.

Exceptional clinical excellence

- Using the CARESCAPE ONE monitor or CARESCAPE Patient Data Module, you are able to obtain consistent hemodynamic and cardiac measurements
- Innovative algorithms aid in accurate diagnoses, including EK-Pro, DINAMAP™ non-invasive blood pressure, and 12SL™ diagnostic ECG with direct 2-way MUSE™ ECG database
- Comprehensive respiratory monitoring ranging from standard CO₂ to optional gas exchange and metabolic monitoring
- Extensive alarm controls like Auto View on Alarm which automatically share clinically significant alarms within and across care units, also provide flexibility in setting alarm limits and priorities which may help optimize your workflow and reduce alarm fatigue

Powerful performance in a compact design

- Dedicated software packages for Operating room, Post Anesthesia care, Intensive care, Neonatal care and Emergency care areas make monitor configurations easier
- Pages and Profiles functionality provides clinicians the flexibility to easily optimize monitor settings to their patient needs
- Combination monitoring enables telemetry patients to be monitored directly at the bedside
- Wireless connectivity and integration with the CARESCAPE Gateway enables communications to EMR systems through standard HL7® protocols
- Integrated Citrix® thin client integration enables easy access to labs, X-rays, charting and other data right from the bedside
- Provides a peer-to-peer networking option that allows monitors to communicate and view information from other CARESCAPE monitors

Protecting long-term investments

- Backwards compatible with many existing GE components
- RSvP™ provides remote service access for CARESCAPE solutions, making system management easier for biomedical engineers
- Structured upgrade programs can lower the total cost of ownership and simplify long-term capital equipment planning

Technical specifications

Software options

Main software	Care-area specific software packages to optimize workflows: OR, PACU, ICU, NICU and ED
Other software options	Extended software options specific to each main software

Upgrades available with the CARESCAPE Upgrade Program

Networking

Compatibility	CARESCAPE Network with peer-to-peer communication
Features	Centralized viewing and remote alarm management with bed-to-bed viewing and Auto View on Alarm (AVOA) functionality
Network type	LAN, WLAN (optional)
WLAN communication protocol (optional)	IEEE 802.11a/b/g/n
Operating frequency	2.4 GHz and 5 GHz
Data rate	1 - 54 Mbps

I/O Connectors

Ethernet	3 RJ45 for IX, MC, Unity Network™ ID
Serial Port	Available via USB converter
ePort	1 for CARESCAPE ONE
Display	1 DisplayPort
Remote-On	Remote power on control input for anesthesia machine integration
USB Port	4 USB 2.0

Display

Size	12 in (diagonal)
Type	Active matrix color TFT LCD
Resolution	1024 x 768 pixels (XGA)
Number of traces	6 individual waveforms
Sweep speed	0.625, 6.25, 12.5, 25, 50 mm/sec
Configuration	Automatic configuration according to parameter availability. Manual configuration with up to 8 user-configurable profiles for care-specific configurations, and up to 6 user-configurable display pages for each profile.

Controls

Touch screen	Resistive technology
Power on	Front of unit
Remote control	Optional for 11 remote controls: Alarm Setup, Monitor Setup, Procedures, Trends, Data & Pages, Print Waveforms, Freeze/Snapshot, NIBP Auto, NIBP Start/Stop, Parameters and Zero ALL Pressures

Parameters and modules

Parameters	CARESCAPE ONE
ECG	3, 5, 6 and 10 leadwires
SpO ₂	GE TruSignal™, Nellcor OxiMax®, Masimo SET®
NIBP	DINAMAP SuperSTAT algorithm
InvBP	2
Temp	2
CO ₂	Respironics LoFlo™ Sidestream CO ₂

Parameters	CARESCAPE Patient Data Module (PDM)
ECG	3, 5, 6 and 10 leadwires
SpO ₂	Masimo SET, Nellcor OxiMax
NIBP	DINAMAP SuperSTAT algorithm
InvBP	0 or 4
Temp	2, Optional with C.O.
Cardiac output	Optional with temperature

CARESCAPE Patient Data Module and CARESCAPE ONE are ordered separately.

Parameters	E-Modules ¹
Multi parameter modules	
InvBP & Temp	E-PP, E-PT
SvO ₂ & C.O.	E-COP, E-COPsv
Single parameter modules	
SpO ₂	E-NSATX, E-MASIMO
NMT	E-NMT
CCO	E-PiCCO
EEG	E-EEGX
BIS	E-BIS
Entropy™	E-ENTROPY
Respiratory	
Sidestream CO ₂	E-miniC
Sidestream CO ₂ & O ₂	E-sCO, E-sCOV
Sidestream CO ₂ , O ₂ , Agents ² & N ₂ O	E-sCAiO, E-sCAiOV, E-sCAiOE, E-sCAiOVE, E-sCAiOVX
Patient Spirometry ²	E-sCOV, E-sCOVX, E-sCAiOV, E-sCAiOVE, E-sCAiOVX
Gas exchange or metabolics ²	E-sCOVX, E-sCAiOVX

Parameter modules are ordered separately.

NOTE: For a complete list of compatible devices, please refer to the supplemental information provided.

¹ Acronyms for the parameters measured are as follows: P=invasive pressure; R=respiration rate, S=SpO₂; T=temperature; N=NIBP; C=CO₂ and N₂O; Ai=anesthetic agents and nitrous oxide with agent identification; O=O₂; V=Patient Spirometry; s=single width.

² Displayed data (including but not limited to TV, MV, RR, Raw and N₂O) trends and alarms may vary depending on the host device. Specifications listed represent the capabilities of the modules. Always check the host device's User Manual for additional information.

Performance specifications

Alarms

Categories	Patient status and system status
Priority	High, Medium, Low, Escalating and Informational
Notification	In accordance with IEC 60601-1-8
Audio pause	Audible and visual
	Configurable for 2 or 5 minutes

Trend	
1 min resolution	72 h
10 s resolution	30 min
2 s resolution	24 h
1 s resolution	24 h
Snapshot	
15 s Waveform	400 snapshots
ST	10 snapshots
Events	999 events

Paper recorder (optional, in-built)

Method	Thermal dot array
Horizontal resolution	24 dots/mm (600 dpi) @ 25 mm/sec
Vertical resolution	8 dots/mm (200 dpi)
Number of recorder waveforms	4
Paper width	50 mm (2 in)
Paper speed	1, 5, 10, 12.5, 25, and 50 mm/sec.

Mounting

GCX™ compatible
FM Quick-Mount compatible
Integrated carrying handle

Power specifications

Power supply

Universal input voltage range	100 to 240 Vac ±10%, 50/60 Hz
Power consumption	< 200 W
Protection class	Class I
Grounding	Hospital grade
Cooling	Natural convection – no fans

Battery (optional)

Type	Exchangeable Lithium-Ion
Number of batteries	1 or 2
Voltage	10.8 V (nominal)
Capacity	3.8 Ah per battery, 7.6 Ah with 2 batteries (min)
Charge time	2 to 3 hours per battery, depending on configuration
Run time	3.5 hours, depending on configuration
Battery life	300 cycles to 60% capacity



Environmental specifications

Operating conditions

Temperature	10 to 40°C (50 to 104°F)
Operating humidity	10 to 90% (non-condensing)
Operating altitude	700 mbar to 1060 mbar (3000 m to -400 m)

Storage conditions

Temperature	-20 to 60°C (-4 to 140°F)
Storage humidity	10 to 90% (non-condensing)
Storage altitude	500 mbar to 1060 mbar (5500 m to -400 m)

Physical specifications

Dimensions (H x W x D)	29 x 30 x 16 cm (11.4 x 11.9 x 6.2 in)
Weight	5.0 kg (11.0 lb) with all options and battery, without modules

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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