

CARESCAPE B650 Monitor

Efficiency built in.



CARESCAPE ONE



CARESCAPE B650 monitor

The CARESCAPE™ B650 monitor can help you manage your patient flow by getting you the right clinical information, when and where you need it. Its intuitive design makes it easy to use for all staff experience levels, and upgradeability protects your long-term system investments.

Providing clinical excellence, dependable data continuity and integration

- Using the CARESCAPE ONE monitor or CARESCAPE Patient Data Module, enables consistent hemodynamic and cardiac measurements
- Innovative algorithms aid in accurate diagnoses, including EK-Pro, GE DINAMAP™ non-invasive blood pressure, and 12SL™ diagnostic ECG with direct 2-way MUSE™ ECG communication
- Comprehensive respiratory monitoring ranging from standard CO₂ to optional gas exchange and metabolic monitoring
- Connectivity with the CARESCAPE Gateway enables communications to EMR systems through standard HL7® protocol
- Combination monitoring capability enables mobile patients to be monitored

Compact, flexible, intuitive design

- Pages & Profiles functionality with dedicated software for OR, PACU, ICU, NICU and ED care areas can increase flexibility and workflow efficiency by configuring monitors to unit standards and patient populations
- Exceptional alarm functionality, including Auto View on Alarm which automatically shares clinically significant alarms within and across care units, also provides flexibility in setting alarm limits and priorities which may help optimize your workflow and reduce alarm fatigue
- Integrated USB ports allow for a keyboard, mouse, barcode readers and other data entry device attachment
- Compact design with pivoting frame fits ergonomically into different environments and allows for customizing with multiparameter modules and other options

Protecting long-term investments

- Backwards compatible with many existing GE components
- Structured upgrade programs can lower costs of ownership and simplify long-term capital equipment planning
- Remote service through InSite™ ExC provides updates and predictive maintenance

Technical specifications

Display

Size	15 in (diagonal)
Type	Active matrix color TFT LCD
Resolution	1024 x 768 pixels (XGA)
Number of traces	8 individual, up to 14 with overlays and insets
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
Keys	ON/Standby hard key
Remote control	Ordered separately

Pivoting module frame

Features	Can be pivoted to a locked closed position, locked to an open 45° angle, or locked to a 90° open position. Support for CARESCAPE Patient Data Module
Options	Two E-module slots and optional recorder

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

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 modules	
Sidestream CO ₂	E-miniC
Sidestream CO ₂ & O ₂	Single-width ² : E-sCO, E-sCOV
Sidestream CO ₂ , O ₂ , Agents & N ₂ O	Single-width ² : E-sCAiO, E-sCAiOV, E-sCAiOE, E-sCAiOVE, E-sCAiOVX
Patient Spirometry	Single-width ² : E-sCOV, E-sCOVX, E-sCAiOV, E-sCAiOVE, E-sCAiOVX
Gas exchange or metabolics	E-sCOVX, E-sCAiOVX

Parameter modules are ordered separately.

NOTE: For a complete list of compatible devices, please refer to the CARESCAPE Modular Monitors Supplemental Information Manual Software version 3.

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

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

I/O Connectors

Ethernet	3 RJ45 for IX, MC, Unity Network™ ID
ePort	1 DB9F, for CARESCAPE Patient Data Module and CARESCAPE ONE
Display	1 DisplayPort
USB Port	4 USB 2.0

Mounting

GCX™ compatible
FM quick-mount compatible
Integrated carrying handle

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 waveform channels	Four
Paper width	50 mm (2 in)
Paper length	30 m (100 ft)
Paper speed	1, 5, 10, 12.5 25 and 50 mm/sec

Performance specifications

Alarms

Categories	Patient status and system status
Priority	High, Medium, Low, Escalating and Informational
	In accordance with IEC 60601-1-8
Notification	Audible and visual
Setting	Default and individual
Visual alarm notification	Red, yellow, cyan
Audio pause, active alarms	2 min
Audio pause, all alarms	2 or 5 min
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

Power specifications

Power supply

Universal input voltage range	100 to 240 Vac +/-10%, 50/60 Hz
Power consumption	< 140 VA
Protection class	Class I
Grounding	Hospital grade
Cooling	Natural convection – no fans

Battery (optional)

Type	Exchangeable Lithium-Ion
Number of batteries	1
Voltage	11.1 V (nominal)
Capacity	6.0 Ah (typical)
Charge time	2 to 3 hours per battery, depending on configuration
Run time	1 to 2 hours, depending on configuration
Battery life	150 cycles to 80% capacity



Environmental specifications

Operating conditions

Temperature	10 to 40°C (50 to 104°F)
Operating humidity	10 to 90% (non-condensing)

Storage conditions

Temperature	-20 to 60°C (-4 to 140°F)
Relative humidity	10 to 90% (non-condensing)

Physical specifications

Dimensions (H x W x D)	36 x 37 x 22 cm (14.2 x 14.6 x 8.67 in)
Weight	9.8 kg (21.6 lb) without modules (incl. battery, recorder)
CARESCAPE Patient Data Module	+ 1.1 to 1.3 kg (2.4 to 2.9 lb)
E-modules	+ 0.3 to 1.6 kg (0.6 to 3.5 lb)

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.

© 2018-2019 General Electric Company.

GE, the GE Monogram, Imagination at work, CARESCAPE, DINAMAP, 12SL, MUSE, Entropy, InSite, TruSignal and Unity Network are trademarks of General Electric Company.

BIS is a trademark of Aspect Medical Systems, Inc., a Covidien Company. GCX is a trademark of GCX Corporation. Masimo SET is a registered trademark of Masimo Corporation. Nellcor and OxiMax are trademarks of a Medtronic company. HL7 is a registered trademark of Health Level Seven International. Respironics and LoFlo are registered trademarks belonging to Koninklijke Philips Electronics N.V. All other third-party trademarks are the property of their respective owners.

Reproduction in any form is forbidden without prior written permission from GE. Nothing in this material should be used to diagnose or treat any disease or condition. Readers must consult a healthcare professional.

CARESCAPE B650 MBB313

DOC2141540 rev2. 2019-01-21