



CARESCAPE Monitor B450

For smart transport and bedside monitoring

The CARESCAPE* Monitor B450 is an important component of the CARESCAPE monitoring platform. It is a lightweight bedside monitor that is robust enough to meet changing patient acuity and care area needs as well as capable of maintaining all bedside monitoring functions during intra-hospital transport.

Exceptional clinical excellence

- Enables you to use a wide parameter set with its compatibility with the CARESCAPE Patient Data Module (PDM), Patient Side Module (E-PSM) as well as single-width F-modules
- Consistent, innovative algorithms aid in accurate diagnoses, including Datex-Ohmeda sidestream CO₂, 12SL* diagnostic ECG with direct two-way MUSE* ECG communication, DINAMAP* SuperSTAT NIBP, Entropy*, BIS™, and your choice of GE TruTrak+*, Masimo SET® or Nellcor™ OxiMax® SpO₂

Lightweight, intuitive design and simplified servicing

- Especially developed for the intra-hospital transport of patients, with the capability to attach and detach GE hemodynamic modules, E-PSM(P) or CARESCAPE Patient Data Module
- Designed for flexible acuity care settings, the Pages and Profiles functionality may increase workflow efficiency by allowing you to configure the monitor to unit standards and patient populations

- Exceptional alarm functionality enables remote bed-tobed viewing (Auto View on Alarms), quick adjustment to all parameter limits, defining parameter limit range(s), preventing specific alarms from being turned off and setting adjustments to meet patient changing conditions may help optimize your workflow and reduce alarm fatigue
- Dedicated software and parameters for the OR, PACU,
 Critical Care, Emergency Care and NICU care areas make it easier to configure to your work patterns
- Remote service through InSite* ExC provides updates and predictive maintenance to assist your biomed servicing capabilities

Dependable data continuity and integration

- Provides continuous hemodynamic measurement during intra-hospital transport and also transfers trend data with the CARESCAPE Patient Data Module
- Wireless connectivity with GE's CARESCAPE Gateway enables communications to EMR systems through standard HL7 protocol
- Eases workflow and enables patient mobility with telemetry and combination monitoring capability
- Provides a peer-to-peer networking option that allows monitors to communicate and view information from other GE CARESCAPE monitors
- Supports networking with other GE Healthcare products including CARESCAPE CIC Pro, iCentral, MUSE* ECG database, Unity Network* ID and other products that run on the CARESCAPE Network



Technical specifications

Display

Size 12 in (diagonal)

Type Active matrix color TFT LCD

Resolution 1024 x 768 pixels (XGA)

Number of traces 6 (max)

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 userconfigurable profiles for carespecific configurations, and up to 6 user-configurable display pages for

each profile

Controls

Touch screen Standard

Power on Front of unit

Remote control (USB) Optional 11 keys to facilitate non

touch use: 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	Patient Side Module (E-PSM, E-PSMP)	CARESCAPE Patient Data Module (PDM)	
ECG	3, 5, 6 and 10 leadwires	3, 5, 6 and 10 leadwires	
SpO ₂	GE SpO ₂	Masimo SET®, Nellcor OxiMax®	
NIBP	GE	GE DINAMAP SuperSTAT algorithm	
InvBP	0 or 2	0 or 4	
Temp	2	2, Optional with C.O.	
Cardiac output	-	Optional with temperature	

Parameters	E-Modules ²			
Multi parameter modules				
InvBP & Temp	E-P ¹ , E-PP ¹ , E-PT			
SvO ₂ & C.O.	E-COP, E-COPSv			
Single parameter modules				
SpO ₂	E-NSATX, E-MASIMO			
NMT	E-NMT			
ссо	E-PiCCO			
EEG	E-EEG			
BIS	E-BIS			
Entropy*	E-ENTROPY			
Respiratory modules				
Sidestream CO ₂	E-miniC			
Sidestream CO ₂ & O ₂	E-sCO, E-sCOV			
Sidestream CO ₂ , O ₂ , Agents & N ₂ O	E-sCAiO³, E-sCAiOV³			
Patient Spirometry	E-sCOV ³ , E-sCAiOV ³			

Parameter modules are ordered separately.

Software options

Main software ESP v2

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

 $^{^{\}rm 1}\,{\rm Module}$ measures invasive pressure only.

 $^{^2}$ Acronyms for the parameters measured are as follows: P=invasive pressure; R=respiration rate, E=ECG; S=SpO $_2$; T=temperature; N=NIBP; C=CO $_2$ and N $_2$ O; Ai=anesthetic agents and nitrous oxide with agent identification; O=O $_2$; V=Patient Spirometry; s=single width.

 $^{^3}$ Displayed data (including but not limited to TV, MV, RR, Raw and N $_2$ O) 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

Networking		Alarms		
Compatibility	CARESCAPE Network, S/5 Network,	Categories	Patient status and system status	
	MUSE ECG database, Unity Network ID	Priority	High, Medium, Low, Escalating and Informational In accordance with	
Features	Centralized viewing and remote alarm management with bed-to-		IEC 60601-1-8	
	bed viewing and AVOA functionality	Notification	Audible and visual	
Network type	LAN, WLAN (optional)	Audio pause, active alarms	2 min	
WLAN communication protocol (optional)	IEEE 802.11a/b/g	Audio pause, all alarms	2 or 5 min	
Operating frequency	2.4 GHz and 5 GHz	Trend		
Data rate	1 - 54 Mbps	1 min resolution	72h	
I/O Connectors	I/O Connectors		30min	
Ethernet	3 RJ45 for IX, MC, Unity Network ID	2 s resolution	24h	
Serial Port	Available via USB converter	Snapshot		
Slave/independent screen 1 DVI-D out		15 s Waveform	400 snapshots	
USB Port	2 USB 2.0	ST	10 snapshots	
ePort	1 E-port	Events	999 events	
Analog output	Proprietary analog output connector on CARESCAPE Patient Data Module. Analog output connector (Mini-DIN 7) on the monitor frame is for Patient Side Module (PSM) use only.	Power specifications		
.		Power supply		
		Universal input voltage range	100 to 240 Vac +/-10%, 50/60 Hz	
Remote-On	Remote power on control input for	Power consumption	< 200 VA	
	anesthesia machine integration	Protection class	Class I	
Paper recorder (optional, in-built)		Grounding	Hospital grade	
Method	Thermal dot array	Cooling	Natural convection – no fans	
Horizontal resolution	24 dots/mm (600 dpi) @ 25 mm/sec	Battery (optional)		
Vertical resolution	8 dots/mm (200 dpi)	Туре	Exchangeable Lithium-Ion	
Number of recorder waveforms	4	Number of batteries	1 or 2	
Paper width	50 mm (2 in)	Voltage	10.8 V (nominal)	
Paper speed	1, 5, 10, 12.5, 25, and 50mm/sec. (± 2%)	Capacity	3.8 Ah per battery, 7.6 Ah with 2 batteries (min)	
Mounting		Charge time	2 to 3 hours per battery, depending on configuration	
GCX compatible		Run time	3.5 hours, depending on	
FM Quick-Mount compatible			configuration	
Integrated carrying handle		Battery life	300 cycles to 60% capacity	

Environmental conditions

Operating conditions

Temperature 10 to 35°C (50 to 95°F)

Relative 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) $29 \times 30 \times 16$ cm

(11.4 x 11.9 x 6.2 in)

Weight 5.0 kg (11.0 lb) with all options and

battery, without modules

Warranty

One year.

GE Healthcare 8200 W. Tower Ave. Milwaukee, WI 53223 USA

www.gehealthcare.com

GE Healthcare Asia Pacific

Japan

4-7-127, Asahigaoka Hino-shi, Tokyo 191-8503 Japan Tel: +81 42 585 5111

ANZ

Building 4B, 21 South St Rydalmere NSW 2116 Australia Tel: 1300 722 229 8 Tangihua Street Auckland 1010 New Zealand

Tel: 0800 434 325

ASEAN

1 Maritime Square #13-01 HarbourFront Centre Singapore 099253 Tel: +65 6291 8528

Korea

8F, POBA Gangnam Tower 343, Hakdong-ro, Gangnam-gu Seoul 135-820, Korea Tel: +82 2 6201 3114



For accessory information, please refer to CARESCAPE Modular Monitors Supplies and Accessories document.

 $\ensuremath{\mathbb{C}}$ 2013 General Electric Company – All rights reserved.

GE and GE Monogram are trademarks of General Electric Company.

* Trademarks of General Electric Company.

BIS, Nellcor and Oximax are trademarks of Covidien.

Masimo SET is a trademark of Masimo Corp.

GE Healthcare reserves the right to make changes in specifications and features shown herein, or discontinue the product described at any time without notice or obligation. Contact your GE Healthcare representative for the most current information.

GE Healthcare Finland Oy, a General Electric company, doing business as GE Healthcare.

GE Medical Systems Information Technologies, Inc. a General Electric Company, doing business as GE Healthcare.

GE Healthcare, a division of General Electric Company