CARESCAPE B850 monitor

Flexibility and scalability.

The CARESCAPE™ B850 monitor provides a high level of flexible and scalable monitoring excellence, ready to meet even the most critical patient needs. It provides a dependable level of data continuity and integration across care areas. Its intuitive design makes it easy to use for all staff experience levels, and upgradability protects your long-term system investments.

Providing clinical excellence

- With CARESCAPE ONE monitor or CARESCAPE Patient Data Module, you are able to obtain consistent hemodynamic and cardiac measurements during intra-hospital transport and maintain data continuity

- Innovative algorithms aid in accurate diagnoses, including EK-Pro, DINAMAP™ non-invasive blood pressure, and 12 SL™ diagnostic ECG with direct 2-way MUSE™ ECG database

- Comprehensive respiratory monitoring ranging from standard CO_2 to optional gas exchange and metabolic monitoring

- Various parameters can help you assess the adequacy of anesthesia in the OR, and give insight to patients' readiness for ventilator weaning in the ICU

- 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

- Integration with the GE Healthcare's gateway enables communications to EMR systems through standard HL7® protocol

- Combination monitoring capability enables mobile patients to be monitored

Optimizing care workflow

- Expansion frame and E-modules enable scalability to handle various patient needs

- Streamlined intra-hospital transport when using CARESCAPE ONE with its built-in display

- Integrated Citrix® thin client integration enables easy access to labs, X-rays, charting and other data at the bedside

- Pre-configured software for OR, PACU, ICU, NICU and ED care areas

- Pages & Profiles functionality provides clinicians the flexibility to easily optimize monitor settings to their patient needs

Protecting long-term investments

- Backwards compatible with existing GE components

- RSvP™ provides remote service access for CARESCAPE solutions, making system management easier for biomedical engineers

- Structured upgrade programs can lower costs of ownership and simplify long-term capital equipment planning

gehealthcare.com

Technical specifications

CPU

Processor	ARM® Cortex®-A9
Degree of protection against harmful ingress of water	IPX1

Software options

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

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

I/O connectors

Ethernet	3 RJ45 for IX, MC, Unity Network™ ID
Serial Port	Available via USB converter
ePort	2 for CARESCAPE ONE and Frame
Display	2 DisplayPort
Remote-On	Remote power on control input for anesthesia machine integration
USB port	6 USB 2.0 standard
Thermal printer	PRN 50-M+

D19KT Display characteristics

Size	19 in (diagonal)
Colors	24 bit
Type	Active matrix color TFT LCD
Brightness	D19KT[1] 180 cd/m2
Resolution	1280 x 1024 @ 60 Hz SXGA
Viewing angle	(horizontal/vertical) 160 deg conical
Pixel dimension	0.294 x 0.294 mm
Contrast ratio	500:1
Response time	25 ms

Controls

Touch screen	Resistive technology
Trim Knob™	Trim Knob control with clockwise, counter-clockwise and push functionality

Waveforms

Based on configuration. Standard view includes up to 8 individual waveforms, optional views include overlays or insets for up to 14 waveforms per display. Additional clinical display allows for 16-28 waveforms.

Numerics

16 to 22 parameter numerics based on configuration, per display. Additional clinical display allowed for 32 to 44 parameter numerics.

Frames

Target use and support modules

F7	Aespire™, Aestiva™, Aisys™, Aisys CS^2, Avance™, Avance CS^2 Carestation™ anesthesia machines, E-modules
F5	Stand-alone use; E-modules, CARESCAPE Patient Data Module

Frames are ordered separately.

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
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.

by anandic

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_2O	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, E=ECG; S=SpO_2; T=temperature; N=NIBP; C=CO_2 and N_2O; Ai=anesthetic agents and nitrous oxide with agent identification; O=O_2; V=Patient Spirometry; X=gas exchange, s=single-width

[2] Displayed data (including but not limited to TV, MV, RR, Raw and N_2O) 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
	In accordance with IEC 60601-1-8
Notification	Audible and visual
Audio pause	Configurable for 2 or 5 minutes
Trend	
1 min resolution	72h
10 s resolution	30min
2 s resolution	24h
1 s resolution	24h
Snapshot	
15 s Waveform	400 snapshots
ST	10 snapshots
Events	999 events

Paper recorder

Optional, PRN 50M+ digital writer or network laser printer. See separate technical specifications for PRN 50M+ digital writer DOC1920926. Paper recorders are ordered separately.

Mounting

GCX® compatible

Power specifications

Power supply

Universal input voltage range	100 to 240 Vac ±10%, 50/60 Hz
Power consumption	< 300 W
Protection class	Class I
Grounding	Hospital grade
Cooling	Natural convection – no fans

Environmental specifications

For entire system, including CPU, frames, modules, displays, keyboard and remote control.

Operating conditions

Temperature	10 to 40°C (50 to 104°F)
Operating humidity	15 to 90% (non-condensing)
Operating altitude	700 to 1060 hPa; 3000 m to –400 m meters

Storage conditions

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

Physical specifications

CPU

Dimensions (H x W x D)	91 x 401 x 340 mm (3.6 x 15.8 x 13.4 in)
Weight	7.5 kg (16.5 lb)

by anandic

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.

© 2019 General Electric Company.

GE, the GE monogram, Imagination at work, CARESCAPE, DINAMAP, Entropy, Trim Knob, TruSignal, Unity Network, 12SL, MUSE, RSvP, Aespire, Aestiva, Aisys and Avance are trademarks of General Electric Company.

ARM® and Cortex® are trademarks of ARM Limited (or its subsidiaries). BIS is a trademark of Aspect Medical Systems, Inc. Citrix is a trademark of Citrix Systems, Inc. GCX is a trademark of GCX Corporation. Masimo SET is a registered trademark of Masimo Corporation. Nellcor and OxiMax are trademarks of Covidien Company. Intel is a trademark of Intel Corporation in the U.S. and/or other countries. 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 trademarks are 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 B850 MBC313

DOC2228625 2019-03-04

anandic
MEDICAL SYSTEMS

Postfach
Stadtweg 24
CH-8245 Feuerthalen
Switzerland

Tel. +41 848 800 900
info@anandic.com
www.anandic.com