GE HealthCare

Powering your performance

B105M / B125M / B155M

Modular Patient Monitors

SOFTWARE VERSION 4

Powering your performance.

The B1x5M range of modular patient monitors delivers the **premium clinical performance** you expect from GE HealthCare, all in an intuitive design. It allows you to **scale across care areas and patient types** by easily transitioning from essential vital signs to advanced monitoring with additional parameter modules.

The B1x5M monitoring platform also **seamlessly integrates** with your existing GE HealthCare patient monitoring and IT ecosystem, ensuring that data is delivered to where it needs to be, securely. Its robust **cybersecurity** features, **remote support and advanced servicing capabilities** help you deliver uninterrupted and uncompromised care.

The B1x5M modular patient monitors, a powerful monitoring solution to power your performance.

Clinical precision

Intuitive design

Scalable platform

Securely connected


80
80
98
37.1
36.5
120
80
-0.6


36.5
35.0

Screen features

- Choice of 10-, 12- or 15-inch capacitive touch screen displays
- Customize with a large numeric and 12-waveform display
- Multiple screen layout options and adjustable brightness
- Parameter trend analysis with 72 hours of full-disclosure data to get a better understanding of patient health status and history
- AVOA (Automatic View of Remote Beds in Alarm) and Bed-to-Bed Views for remote patient data viewing and configuration to help optimize alarm management workflows
- Ability to view patient's response to anaesthesia with BalView and Adequacy of Anesthesia (AoA) parameters (Entropy, SPI[1], and NMT)
- Programmable night mode reduces screen brightness, alarm light and alarm volume for a more comfortable patient and family experience

1. SPI is not available in all markets and is not available in the US or Japan.

Premium clinical performance and tools.

Timely clinical decisions.

Clinical excellence

GE HealthCare's long history of clinical excellence in designing reliable patient monitoring solutions provides you with advanced measurements such as:

- DINAMAP™ SuperSTAT™ NIBP
- EK-Pro v14 arrhythmia algorithm
- CO_2 sidestream and cardiac output
- Neuromuscular transmission
- Entropy
- Surgical Pleth Index (SPI™)[1]
- Airway gases and anesthetic agents
- Oxy CRG
- TruSignal RRsv™, single vector respiratory rate

Alarm management

The B1x5M patient monitors enable easy alarm management with **intelligent customization capability and configurations to meet your clinical demands.**

Easy alarm setup, latching alarms, customized rule engine for group notification and auto snapshot of the most critical alarms make monitoring patient conditions simpler.

Audible alarms can now be silenced for two minutes with **gesture-based audible alarm silencing technology**, helping to reduce the number of unnecessary touches to support your infection prevention protocols.

The B1x5M patient monitors provide alarm information simply and with minimal searching. Set, review, and switch alarm limits on and off from a **single Alarm Overview menu**. In addition, B1x5M monitors offer capability to help automatically set new alarm limits for multiple parameters.

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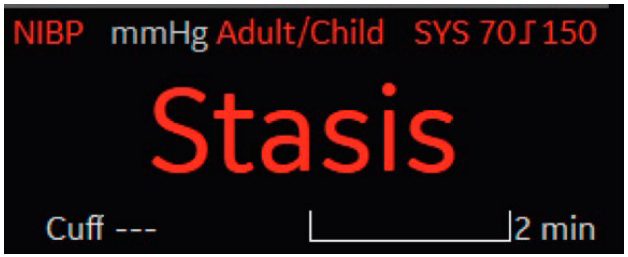
Intuitive design. Clinically efficient tools.

The B1x5M patient monitors helps you to quickly take clinical action to address patient conditions, with intuitive features and smart tools designed to help you develop better care plans.

Efficient tools for more confident patient care

The simple design allows you to quickly admit patients and visualize relevant case information in any care environment:

- **Barcode reader** for both traditional barcode and QR codes for faster, secured patient admittance[2]
- **NEWS2 and MEWS** (Modified Early Warning Score) features help you to effectively monitor deteriorating patients' conditions and make timely interventions
- Clinical tools like **VTach criteria, Tachy, Full Arrhythmia Analysis, and Full Disclosure** to help in enabling better clinical decisions
- **E-manual and Smart Help** enables faster setup and troubleshooting
- **Customized mounting functionality** offers easy access and improves usability
- **NIBP Venous Stasis** feature to help you locate the vein for venous cannulation



Various printing options

The B1x5M monitors support multiple printing options including network laser printer, thermal recorder and PDF export to USB drive. Based on printer choice the following patient data may be recorded:

- Numerical and graphical trends
- Snapshots
- All 12 ECG waveforms
- Waveforms and alarm waveforms
- Alarm history

All data exported in PDF format to a USB drive will be encrypted and password protected.

2. Supports barcode model CR1500.

Flexible for versatile care. Scalable for growth.

Modular design

Built to perform, the B1x5M monitors' modular design enables seamless deployment across a variety of care settings and patients.

The **modules are shareable** across GE HealthCare's patient monitors.

These modules include:

- E-sCO, N-CAiO, and E-sCAiO modules for monitoring respiratory gases and anesthetic agents in anaesthesia and critical care
- E-miniC single-width airway module for compact CO2 sidestream respiratory monitoring
- E-ENTROPY module to monitor the level of consciousness
- E-NMT module for quantitative, automatic measurement of muscle response to stimuli
- E-COP module for monitoring the functioning of the heart
- Pre-configured multiparameter hemodynamic module for SpO2 (GE HealthCare's TruSignal™, Masimo® or Nellcor™), NIBP, Temp, and Invasive Pressure monitoring
- BIS module from OEM Medtronic

Scalable platform

A single frame at the back and an optional two-slot parameter module frame allow **three modules to be connected simultaneously**, enabling support across care areas and specialized departmental needs. It comes with easy mounting solutions for the patient's bedside and intra-hospital transport.

These modular solutions also come with an open architecture that allows the monitors to accept future innovations for better performance.

Easing the way to more confident perioperative care.

Adequacy of Anesthesia concept

The B1x5M monitors offer a rich legacy of clinical excellence specifically designed for the OR. These advanced parameters and tools include:

- **Adequacy of Anesthesia (AoA):** unique parameters to help you assess a patient's response to the delivery of inhaled and intravenous hypnotics, opioids, and other analgesic drugs, as well as neuromuscular blocking agents, during general anaesthesia.
- **Entropy module** provides continuous data on the patient's level of consciousness that may help reduce agent consumption and accelerate patient recovery in adults.
- **Neuromuscular Transmission (NMT)** module provides integrated, objective and quantitative measurements that enable clinicians to tailor NMBA dosages, support maximized OR throughput, and help eliminate adverse clinical events attributed to residual paralysis.
- **SPI (Surgical Pleth Index)** is indicated for monitoring the patient's response to surgical stimuli and analgesic medications in unconscious and fully anesthetized adults over 18 years of age. It is derived from the hemodynamic information obtained from a patient's finger using GE HealthCare's TruSignal™ SpO2 technology.

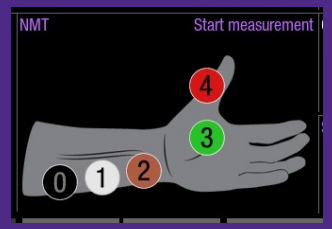
AoA advanced monitoring can reduce agents by up to 29%[3] and help reduce unwanted events by up to 42%[4].

Monitoring excellence in a single Carestation solution

The B1x5M monitors, together with GE HealthCare's Carestation™ 600 series anaesthesia machines, provide a comprehensive view of each patient's state, adding clarity and enabling quick decision support when seconds count.

Features include:

- Spirometry, gases, alarm status, and ventilation settings data on the numerical trends and alarm history of the monitor
- Both anaesthesia and monitor data can be exported to direct HL7, S/5 network, and CARESCAPE™ Network to the EMR
- The anaesthesia data can be laser printed or exported to USB drive in PDF format for documentation purposes.
- Adequacy of Anesthesia in the BalView screen
- NMT Hookup Advisor™ provides a visual guide to support proper connection of the NMT sensors



3. Chen et al., 2010, Spectral entropy monitoring allowed sevoflurane concentration and faster recovery in children.
4. Gruenewald et al., 2007, M-Entropy guidance vs Standard practice during propofol-remifentanil anesthesia: a randomised controlled trial.

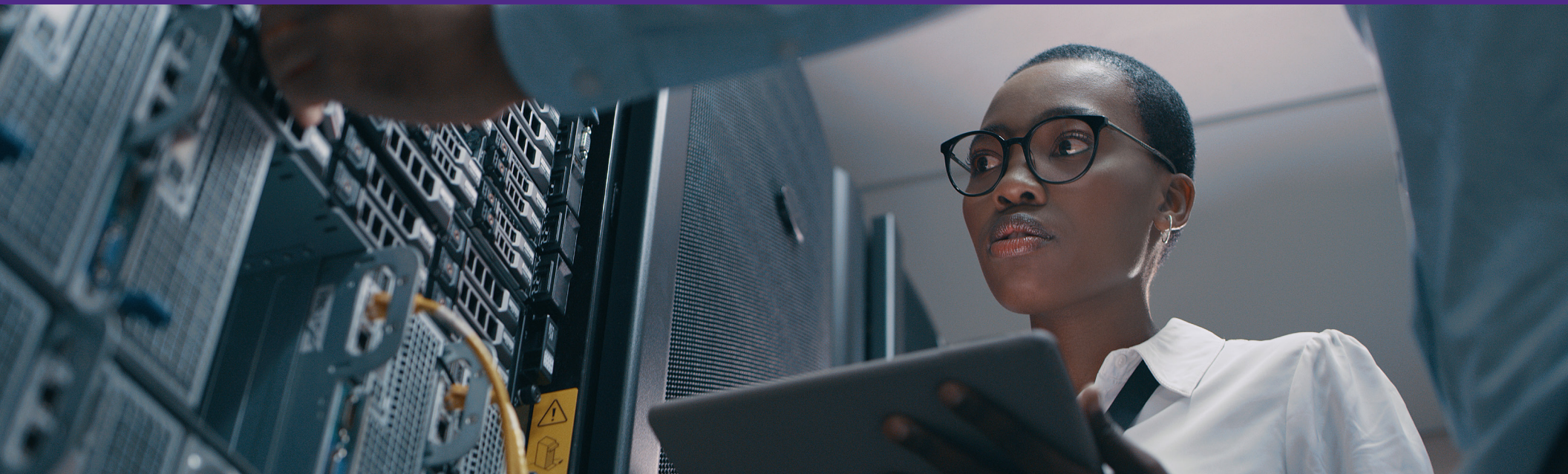
Tough for demanding duty. Securely connected for a cyber world.

Constructed from quality materials and rigorously tested to perform even in demanding care environments, **B1x5M** modular monitors deliver **reliable service** with accuracy.

The monitor is equipped with a convenient screen lock to facilitate **effortless cleaning.** With expert GE HealthCare services and remote diagnostics and repair, these low-maintenance units deliver high uptime. Both the National Early Warning Score (NEWS2) and Modified Early Warning Score (MEWS) can be sent directly to the EMR though HL7 output.

The monitors help resist multiple types of **cyber attacks** and follow the FDA Draft Guidance for cybersecurity in medical devices. All device communication through HL7® is secured through TLS encryption. Wireless communication complies to Federal Information Processing Standard (FIPS) for cryptography, and the **WPA-Enterprise and WPA2-Enterprise** security mechanisms provide superior data protection.

The monitor is tested with the EMC 4th Edition standard that lets these devices handle external signal interference. Signal performance in noisy areas is also improved with the built-in ECG filter.



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Precise. Scalable. Connected.

The **B1x5M** range of modular patient monitors are **clinically precise, intuitively designed, scalable and securely connected**, helping you deliver the quality care you expect from GE HealthCare.

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