B125 Patient Monitor

Simple. Flexible. Reliable.

The B125 patient monitor from GE Healthcare delivers clinical performance you can trust. It is simple and intuitive for busy caregivers, flexible for diverse care areas and acuity needs, and reliable for challenging work environments.

Parameter excellence

The B125 Monitor is designed with advanced parameter technologies for accurate and reliable patient monitoring:

- EK-Pro arrhythmia analysis
- DINAMAP™ SuperSTAT non-invasive blood pressure
- TruSignal™ enhanced SpO_2 saturation monitoring. Also available with Nellcor® OxiMax® SpO_2 or Masimo® SET® SpO_2 algorithms
- GE $EtCO_2$ sidestream measurement
- Comprehensive package for neonatal[1] measurements

Simple & intuitive user interface

The B125 Monitor makes it easy to acquire, monitor and interpret patient data to support timely decision-making:

- Seven pre-configured workflow settings
- Choice of numerical or continuous waveform monitoring
- Big numeric view capability
- Capacitive touch screen

Flexible for diverse care areas & acuity needs

Designed with advanced technologies to support connectivity & operations across hospital enterprise.

- Connectivity to GE CARESCAPE™ networks and Mobile Care Web Viewer
- Flexibility to share parameter modules and accessories across other GE monitors
- Advanced applications such as ST Segment and Full Arrhythmia

Robust & reliable

Its rugged & robust design stands up to harsh environments and the everyday wear-and-tear of busy care areas.

- Upgraded cyber security
- Stable performance in tough environmental conditions
- 75 cm height drop test for main unit
- Three hour battery

[1] Impedance respiration is intended for use with only adult and pediatric patients in United States, Argentina, Guam, Puerto Rico, Saint Croix and Saint Thomas. CO_2 measurement through E-miniC Module is intended for use with patients weighing over 5kg (11 lb) only.

Technical specifications

Display

Size	12.1 in (diagonal)
Resolution:	1280 x 800 pixels (WVGA)
Number of waveforms	Up to 6
Display layout and colors	User-configurable
Controls	Capacitive Touch screen & Trim Knob™ control and hard keys (standard)

Parameters and modules

Parameters	Modules[2]
ECG	
Resp	
SpO$_2$	
NIBP	Configured hemodynamic module
Temp	
2 channel InvBP	
Sidestream CO$_2$	E-miniC

ECG

Leads available	3-lead configuration: I, II, III 5-lead configuration: I, II, III, aVR, aVL, aVF and V
Sweep speed	12.5, 25 or 50 mm/s
Gain range	0.5x, 1x, 2x and 4x
Heart rate accuracy	30 to 300 bpm, ±5% or ±5 bpm, whichever is greater

Bandwidth

50/60 Hz power supply	Monitor: 0.5 to 40 Hz ST: 0.05 to 40 Hz Diagnostic: 0.05 to 145 Hz
Pacemaker detection	Range: 2 to 700 mV Pulse width: 0.5 to 2 ms
Arrhythmia analysis	Asystole, V Fib / V Tach, V Tach, VT>2 R on T, V Brady, Couplet, Bigeminy, Accelerated Ventricular arrhythmia, Multifocal PVCs, A Fib, Missing beat, Pause, Tachy, Brady, Trigeminy

ST segment analysis	Numeric range: -9 to +9 mm (-0.9 to +0.9 mV)
	Accuracy: ±0.2 mm or ±10%, whichever is greater, within the measurement range of -8 to 8 mm
	Numeric resolution: 0.1 mm (0.01 mV)
	ST Trends: Up to 168h

Impedance respiration[3]

Range	Adult/pediatric: 4 to 120 resp/min Neonate[3]: 4 to 180 resp/min
Accuracy	±5% or ±5 resp/min, whichever is greater
Gain range	0.1 to 5 cm/Ohm

SpO$_2$

TruSignal SpO$_2$

Measurement range

Pulse oximetry	1 to 100%
Pulse rate	30 to 250 bpm

Measurement accuracy

Saturation	Without motion-adult/pediatric Finger sensor: 70 to 100% ±2%
	Without motion-neonate[3]: 70 to 100% ±3%
	With motion-adult/pediatric/neonate[3]: 70 to 100% ±3%
	Low perfusion-adult/pediatric: 70 to 100% ±3% (1~69% unspecified)
Pulse Rate	Without motion: ±2 bpm (Adult/Pediatric/Neonatal[3])

[2] Refer to B125 User's Manual for more information.

[3] Impedance respiration is intended for use with only adult and pediatric patients in United States, Argentina, Guam, Puerto Rico, Saint Croix and Saint Thomas. CO$_2$ measurement through E-miniC Module is intended for use with patients weighing over 5kg (11 lb) only.

Nellcor OxiMax

Measurement range

Pulse oximetry	1 to 100%
Pulse rate	20 to 250 bpm

Measurement accuracy

Saturation	Adult: 70 to 100% ±2% Neo: 70 to 100% ±3% Low perfusion: 70 to 100% ±2% 0~69% unspecified
Pulse Rate	±3 bpm

Masimo SET

Measurement range

Pulse oximetry	1 to 100%
Pulse rate	25 to 240 bpm

Measurement accuracy

Saturation	Without motion-adult/pediatric: 70 to 100% ±2%
	Without motion-neonate[4]: 70 to 100% ±3%
	With motion-adult/pediatric/neonate[6]: 70 to 100% ±3%
	Low perfusion: 70 to 100% ±2% (0~69% unspecified)
Pulse rate	Without motion: ±3 bpm
	With motion: ±5 bpm

NIBP

Measurement technique	Oscillometric with step deflation
Modes	Manual, automatic and stat

NIBP Measurement ranges

Systolic	Adult/Pediatric: 30 to 290 mmHg
	Neonate[4]: 30 to 140 mmHg
MAP	Adult/Pediatric: 20 to 260 mmHg
	Neonate[4]: 20 to 125 mmHg
Diastolic	Adult/Pediatric: 10 to 220 mmHg
	Neonate[4]: 10 to 110 mmHg
Accuracy	Meets AAMI ISO81060-2 and IEC 80601-2-30
Default initial inflation pressure	Adult/Pediatric: 135 ±15 mmHg
	Neonate[4]: 100 ±15 mmHg
Maximum determination time	Adult/Pediatric: 2 min
	Neonate[4]: 85 s
Over pressure monitor	Adult/Pediatric: 294 ±6 to 330 mmHg
	Neonate[4]: 147 ±3 to 165 mmHg

Invasive blood pressure

Measurement range	-40 to 320 mmHg (-5.3 to 42.7 kPa)
Measurement accuracy	±5% or ±2 mmHg, whichever is greater
Frequency response	4 to 22 Hz
Transducer sensitivity	5 µV/V/mmHg

Temperature

Numerical display	T1, T2, T2-T1
Measurement range	10 to 45°C (50 to 113°F)
Measurement accuracy	±0.1°C without probe
Display resolution	0.1°C
Probe	YSI probes recommended by GE Healthcare

Networking

Compatibility	CARESCAPE Network
Wi-Fi connectivity[5]	IEEE 802.11a/b/g/n
Wi-Fi security[5]	WPA-Personal; WPA2-Personal; WPA-Enterprise; WPA2-Enterprise
Connectivity to EMR	HL7® outbound protocol direct through the CARESCAPE Gateway

I/O connectors

RS-232 computer serial output, Defibrillation synch, Nurse call, USB port, additional display connector

Mounting

GCX compatible

Integrated carrying handle

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[5] Available in registered regions only.

Paper Recorder

Method	Thermal dot array
Horizontal resolutions	24 dots/mm (600 dpi)
Vertical resolution	8 dots/mm (200 dpi)
Waveforms	Selectable 1, 2, or 3 waveforms
Numerics	HR, SpO_2, NIBP, IBP1, IBP2, $EtCO_2/FiCO_2$, T1, T2, Resp
Graphical trend printout	HR, ST, IBP1, IBP2, NIBP, SpO_2, Pleth, CO_2, Resp, T1+T2
Paper width	50 mm, printing width 48 mm
Paper speed	6.25, 12.5, 25 mm/s

Performance specifications

Alarms

Priority	High, Medium, Low and Message
Notification	Audible and visual
Setting	Default and individual
Visual alarm notification	Red, yellow, cyan
	Audio silence message
	General alarm message
Audio pause	2 min
Adjustment	Adjustment page

Trends

Graphical	All parameters, selectable time scales from 20 min to 168h
Numerical	All parameters, sampling according to time setting or after NIBP determination
Snapshot	Up to 200 snapshots Manual or alarm triggered
OCRG trend[6]	Real time or snapshot Neonate mode only
Trend cursor	In graphical trend

Environmental specifications

Operating conditions

Temperature	5 to 40°C (41 to 104°F)
Relative humidity	20 to 90% noncondensing
Atmospheric pressure	700 to 1060 hPa (525 to 795 mmHg)

Storage and transport conditions

Temperature	-20 to 60°C (-4 to 140°F)
Relative humidity	10 to 90% noncondensing
Atmospheric pressure	700 to 1060 hPa (525 to 795 mmHg)

Power specifications

AC input	100 to 240V ±10%, 50/60 Hz, 150VA
Protection	Class I
Battery	Exchangeable lithium-ion, 1 pcs max
Charging time	< 4 h to 90% capacity
Run time	> 3 h

Physical specifications

Dimensions (H x W x D)	Without extension rack: 280 x 317 x 150 mm (11.0 x 12.5 x 5.9 in)
Weight	4.3 kg (9.5 lb) w battery
Ingress protection	IPX1

Certifications

IEC 60601-1 passed

CE marking according to Council Directive 93/42/EEC concerning medical devices amended by 2007/47/EC

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[6] Neonate Resp is not available for USA and 510k required countries.

Imagination at work