HemoSphere™ Monitor

Technology Specifications

HemoSphere™ monitor offers full-range cuff, sensor, and catheter compatibility designed for individualised patient management. With expanded capabilities and predictive algorithms, HemoSphere™ monitor offers actionable insights to help you stay ahead of critical moments.



Compatible products and parameters include:

	Noninvasive	
	ClearSight Jr™ Cuff	ForeSight™ Sensor
StO_2		●
ΔctHb		●
CO/CI	●	
SV/SVI	●	
SVV/PPV	●	
SVR/SVRI	●	
MAP	●	

HemoSphere™ bundles

Model	Description
HEM7T02	HemoSphere™ advanced monitoring system with tissue oximetry system (module and cable)
HEMCSMUPG (HemoSphere™ upgrade)	Pressure controller, heart reference sensor, and the Windows 10 upgrade

HemoSphere™ modules

HEMTOM10 HemoSphere™ technology module

Weight - 1.0 lb (0.45 kg)	Height - 1.4 in (3.5 cm)
Width - 3.5 in (9.0 cm)	Depth - 5.4 in (13.6 cm)

HEMCSM10 HemoSphere™ ClearSight™ module

Weight - approx. 2lb (0.9 kg)	Height - 5.1 in (13 cm)
Width - 5.6 in (14 cm)	Depth - 3.9 in (10 cm)

HemoSphere™ cables*

HEMFSM10 HemoSphere™ ForeSight™ oximeter cable

Weight - 2.4 lbs (1.05 kg)	Length - 239 in (6070 mm)

PC2K Pressure controller kit

Length - 144 in (3657 mm)

Monitor (HEM1) specifications

Weight	10 ±0.2 lbs (4.5 ±0.1 kg)
Width - 12.4 in (315 mm)	Height - 11.7 in (297 mm) Depth - 5.56 in (141 mm)
Display	Active area - 12.1 in (307 mm) Resolution - 1024 x 768 LCD
Operating system	Windows 10 IoT
Rated supply voltage	100-240 Vac, 50/60 Hz
Rated input	1.5 to 2.0 Amps

Input / output

Touch screen	Projective capacitive touch
RS-232 serial port (1)	BD proprietary protocol: maximum data rate = 57.6 kilo baud
USB ports (2)	1 USB 2.0, 1 USB 3.0
Ports	1 RJ-45 Ethernet, 1 HDMI
Hospital information system connectivity	Health Level 7 (HL7); integration services are subject to local availability
DPT pressure	DPT pressure out
ECG monitor input	Sync line conversion: 1V/mV; Input voltage range +/– 10V full scale; Resolution = ± 1 BPM; Range = 30 to 200 BPM; ¼ in. stereo jack; analog cable Accuracy = ±10% or 5 BPM of the input

HemoSphere™ battery pack

HEMBAT10 HemoSphere™ battery pack

Weight - 1.1 lbs (0.5 kg)	Height - 1.38 in (35 mm)
Width - 3.15 in (80 mm)	Depth - 5.0 in (126 mm)

Cells - 4 x $LiFePO_4$ (lithium iron phosphate)

* For a complete list, please contact your BD sales representative

CE 0123

Medical device for professional use. See instructions for use. CE marked medical device.

BD, Eysins, Vaud, Switzerland

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