

BDS-1001 Bedside Monitor

General Specifications

Display

Display Element	Color LCD
Size	10.1 inch
Resolution	1280 x 800 pixels
Waveform Display Format	Stationary Trace Mode
Touch Panel	Capacitive Touch Panel

Sweep Speed

ECG/SpO2	6.25, 12.5, 25, 50 mm/s
RESP/CO2	6.25, 12.5, 25 mm/s

Dimensions (W x H x D) (not including the protrusion)

7.0 x 9.9 x 5.3 inches
178 x 252 x 133.5 mm

Weight (not including the optional accessories)

4.2 lbs
1.9 kg

Parameters*

Heart Rate/Pulse Rate/ST Level/Arrhythmia, Respiration Rate/Apnea Time (Impedance, CO2), SpO2 (Medtronic® (Nellcor™)/Masimo®), NIBP (SYS, DIA, MAP, Cuff Pressure, PR), Perfusion Index, RPP, SI, EtCO2 (optional), InspCO2 (optional)

Waveform*

ECG, Respiration, Pulse Wave, CO2 (optional)

Arrhythmia Analysis (28)

Asystole, VF, VT, Slow VT, Run, Couplet, PAUSE, Bigeminy, Trigeminy, Frequent, Tachy, Brady, Ext Tachy, Ext Brady, R on T, Multiform, Vent Rhythm, SVT, AFib, Irregular RR, Prolonged RR, Pacer Not Capture, Pacer Not Pacing, Triplet, S Frequent, S Couplet, VPC, SVPC

Scoring Function

Score Mode EWS1 (Early Warning Score), EWS2, qSOFA (quick-Sequential Organ Failure Assessment), NEWS2 (National Early Warning Score)

ECG

Heart Rate Measuring Range	Adult/Child	0, 12 to 300 bpm
	Neonate	0, 30 to 300 bpm
Measuring Accuracy	±3 bpm	
Size	1/4, 1/2, 1, 2 and 4	
HR Display Response Time	Adult/Child	6 sec
	Neonate	3 sec

Defibrillation Proof Provided

SpO2

Measuring Method	2 Wavelength Pulse Wave
Module	Medtronic® (Nellcor™) / Masimo®
Measuring Range	1 ~ 100%
Measuring Accuracy	±2% (Medtronic®) / ±2% (Masimo®)
PR Measurement Range	20 ~ 250 bpm (Medtronic®)
	26 ~ 239 bpm (Masimo®)
PR Accuracy	±3 bpm



Non-Invasive Blood Pressure		Respiration	
Measuring Method	Oscillometric	Measuring Method	Impedance
Measuring Range	0 to 300 bpm	Measuring Range	0, 4 to 150 bpm
Static Pressure Accuracy	±3 mmHg	Measuring Accuracy	±3 bpm
PR Measuring Range	40 to 240 bpm	EtCO ₂ (optional)	
PR Accuracy	±5%	Sidestream (Medtronic®)	
		Measuring Range	0 to 99 mmHg
		Measuring Accuracy	0 to 38 mmHg : ±2 mmHg
			39 to 99 mmHg : ±0.05 reading + 0.08x (reading -39 mmHg)

Telemetry	
Frequency	608 - 614 MHz

Recorder Specification (optional)	
Printing Waveforms	3 waveforms (maximum)
Printing Speed	25 mm/sec., 50 mm/sec.
Printing Type	Waveform, List, Graphic
Protective Circuit	Provided

Power Supply		Battery for Operating the Equipment	
Rated Voltage	100 - 240 V AC, DC 14.8 V	Operation Time	2.5 hours or more
Power Consumption	90 VA and below	Charging Time	Rapid Charge: 6 hours Normal Charge: 12 hours

Environmental Conditions	
Operating Temperature	10°C to 40°C
Operating Humidity	30% to 85% (non-condensing)
Transport/Storage Temperature	-10°C to 60°C
Transport/Storage Humidity	10% to 95% (non-condensing)
Storage Atmospheric Pressure	70 kPa to 106 kPa

Safety	
General Safety Standard	IEC 60601-1 Ed. 3.1 : 2012
EMC Standard	IEC 60601-1-2 : 2014 + A1 : 2020
Protection Against Electrical Shock	Class I Equipment/Internally Powered Equipment
Operation Mode	Continuous Operating Equipment

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