BPL Medical Technologies

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MULTI PARAMETER MONITOR

EliteView EV10

High Resolution Touch Screen Display
10.4" color LCD Touch Screen with high pixel resolution

Standard Configuration
Increased clinical confidence in measuring the basic vital parameters - ECG, SPO2 (Masimo / Nellcor / Digital), NiBP, RESP, TEMP

Optional Parameters & Configuration
2-IBP, ETCO2 (Main Stream / Side Stream), 12 Lead ECG and Thermal Recorder

Calculation Interface
Drug Dose Calculation, Hemodynamic, Ventilation, Oxygenation and Renal Calculation provides users with more information regarding the status of the patient

Enhanced Connectivity Solution
Central nursing station, USB patient data output, External printer, HL7, FTP server upload, VGA for external display

Intelligent Alarms
Audio & Visual Alarms with 3 different levels of Priority: High, Medium & Low can help clinicians easily understand the criticality of patient condition

High performance Li-ion Battery
With low power consumption, the battery back-up time is 2 hrs. (4hrs back-up can be provided as an option)

Comprehensive Data Storage
160 Hours of Trend Data, 2000 groups of NiBP, 200 Alarm Review, 200 Arrhythmia recall, 48 hrs Full disclosure review; provides users for detailed review of patient status

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Product Specifications

General	
Display	10.4 inch color LCD Touch Screen
Resolution	Pixel : 800×600
Display information	8 waveforms display
Dimension	291.7mm×250 mm×146.5mm
Weight	3.3kg (with battery)
Built-in battery	Standard: 11.1V/2200mAh rechargeable lithium-ion battery, 2 hours in normal use. Optional: 11.1V/4400mAh rechargeable lithium-ion battery, 4 hours in normal use.

ECG / Respiration Specification	
Lead Mode	5 lead - standard, Optional: 12 lead & 3 lead
Heart Rate Range & Accuracy	Adult: 15~300bpm Neonate/child: 15~350bpm Accuracy: ±1% or ±1bpm
Gain	1.25mm/mV, 2.5mm/mV, 5.0mm/mV, 10mm/mV, 20mm/mV, 40mm/mV, Auto.
Sweep Speed	6.25mm/s, 12.5mm/s, 25mm/s, 50mm/s
ST-segment	Detection Range -2.0mV -- +2.0mV
Respiration Method	Thoracic impedance method
RR Measurement range and Accuracy	Adult: 0 bpm-120 bpm Child/neonate: 0 bpm-150 bpm Accuracy: ±2rpm or ±2%, whichever is greater
Apnea alarm limit range	Adult: 10s, 15s, 20s, 25s, 30s, 35s, 40s, 45s, 50s, 55s, 1min Child/Neonate: 10s, 15s, 20s, 25s, 30s, 35s, 40s.

NiBP Specification	
Measurement method	Auto oscillation method
Systolic Range	40-270mmHg (Adult) 40-200mmHg (Child) 40-135mmHg (Neonate)
Diastolic Range	10-215mmHg (Adult) 10-150mmHg (Child) 10-100mmHg (Neonate)
Mean Pressure	20-235mmHg (Adult) 20-165mmHg (Child) 20-110mmHg (Neonate)
Accuracy	±5mmHg
Auto Measurement Interval	1/2/2.5/3/4/5/10/15/30/60/90/120/180/240/480/720min
Continual mode	5min

SPO2 Specification	
Measurement range & Accuracy	
Digital SpO2: Measurement range: 0%~100%; accuracy: ±2% (70-100%, Adult) or ±3% (70-100%, neonate). 1%~69% is not defined. **Masimo SpO2:** Measurement range: 1%~100%; accuracy: ±2% (adult/child, in non-motion state), ±3% (adult/child, in motion state) or ±3% (neonate, in motion or nonmotion state) within the measurement range of 70%~100%. 1%~69% is not defined. **Nellcor SpO2:** Measurement range: 0%~100%; accuracy: ±2% (adult/child, in non-motion state) or ±3% (neonate, in non-motion state) within the measurement range of 70%~100%. 0%~69% is not defined.	
Display resolution	1%
Perfusion index (PI)	Range for Masimo SpO2 and Digital SpO2: 0.02%~20%; accuracy: not defined. Resolution: 0.01% (within 0.02%~9.99% range) or 0.1% (within 10.0%~20.0% range).
PR Measurement range and accuracy	
Digital SpO2 sensor: Measurement range: 20bpm~254bpm; resolution: 1bpm; Accuracy: ±2bpm. **Masimo SpO2 sensor:** Measurement range: 25bpm~240bpm; resolution: 1bpm; Accuracy: ±3bpm (in non-motion state) or ±5bpm (in motion state). **Nellcor SpO2 sensor:** Measurement range: 20bpm~300bpm; resolution: 1bpm; Accuracyr: ±3bpm within 20bpm~250bpm range. accuracy within 251bpm~300bpm range is not defined. **NIBP sensor:** Measurement range: 40bpm~240bpm; resolution: 1bpm; measurement error: ±3bpm or ±3%, whichever is greater. **IBP sensor:** Measurement range: 20bpm~350bpm; resolution: 1bpm; measurement error within 20bpm~350bpm range: ±1bpm or ±1%.	

Temp Specification	
Measurement range	0°C ~ 50°C
Accuracy	± 0.1°C (± 0.2°F)
Number of channels	2

Environmental Specification		
Working conditions	Ambient temperature	5°C~40°C
	RH	≤93%
	Barometric pressure	700hPa~1060hPa
Storage and Transportation	Ambient temperature	-20°C~60°C
	RH	≤93%
	Barometric pressure	700hPa~1060hPa
IP grade	IPX1	

*Technical specification subject to change

CERTIFIED ISO 13485 : 2016 COMPANY

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