



Experience
the Accuracy

MULTI PARAMETER MONITOR
EXCELLO



Happier Living Everyday



The device provides arrhythmia detection, ST & HRV analysis with 3-lead/5-lead ECG monitoring and comprehensive trend data review



High Resolution Display

High resolution 10.4" TFT colour display.



Standard Configuration

Standard configuration of ECG, RESP, Nellcor SpO₂ / Masimo SpO₂ / Digital SpO₂, NIBP, TEMP



Calculation

The added functions of the device are Drug dose calculation, HRV analysis & Hemodynamic calculation



Connectivity to CNS

Connectivity to optional BPL Medius+ Central Nursing Station Software (Wired or optional wireless)



168 Hour Trend

Provides for maximum of 168 hours of trend review



ECG Monitoring

5 Lead ECG / 3 Lead ECG (optional)



Waveform Display

Maximum 10 waveforms display



Arrhythmia and ST Analysis

The device provides for arrhythmia detection and ST analysis



Optional Parameters & Configuration

2-IBP, ETCO₂ (Mainstream / Side stream), Multi-Gas/ AGM, Noninvasive Cardiac Output, HL7 Output and Thermal Recorder



Product Specifications

General	
Display	10.4 inch Color TFT LCD Display
Resolution	800x600 pixels
Battery	Rechargeable Lead Acid Battery 12 V, 2.0Ah
Battery Operation	≥60 Minutes operating time under normal use and full charge (with additional Battery>120 Mins)
Weight	4.5 Kg
Dimension	318 x 264 x 152mm

ECG / Respiration	
Lead Mode	5 Lead, 3-Lead (Optional)
Heart Rate Range	Adult:10~300 bpm 10-350 bpm
Sensitivity	≥0.2 mVp-p
Accuracy	+1% or + 1 bpm, whichever is greater
CMRR	Monitor mode: 105dB Surgery mode: 105dB Diagnostic mode: 90dB
Frequency mode (-3dB)	Monitor mode: 0.5-40Hz Surgery mode: 1-25Hz Diagnostic mode: 0.05-150Hz
ST Segment Range	-2.0mV ~ +2.0mv
ECG Sweep Speed	12.5/25/50mm/sec
Respiration Method	Impedance variation between RA-LL (R-F)
Respiration Rate Range	0 ~ 150 rpm

NiBP	
Method	Automatic Oscillometry
Unit	mmHg/Kpa

Range of Measurement	Adult: 10~270mmHg Child: 10~235mmHg Neonate: 10~135mmHg Mean: 20~235mmHg
Pulse Rate Range	40~240 bpm
Cuff pressure range	Adult 0~280mmHg
Auto measurement interval	1, 2, 3, 4, 5, 10, 15, 20, 30, 45, 60, 90 Minutes; 2, 4, 8 Hours

Nellcor SpO ₂	
Saturation Range	1-100%
Resolution	1%
Accuracy	At 70~100% : ±2 digits (Adult) At 70~100% : ±3 digits (Neonate) At 70~100% : ±2 digits (Low perfusion) At 0~69% : unspecified
Pulse rate range	20~300 bpm
Resolution	1 bpm
Pulse rate accuracy	±3 digits

Masimo SPO ₂	
Saturation Range	1-100%
Resolution	1%
Accuracy	At 70~100% : ±2% (Measured without motion in adult/ pediatric mode) At 70~100% : ±3% (Measured without motion in neonate mode) At 70~100% : ±3% (Measured with motion) At 0~69% : Not specified
Pulse Rate Range	25~240 bpm
Resolution	1 bpm
Pulse Rate Accuracy	± 3 bpm (Measured with motion) ±5 bpm (Measured with motion)

Product Specifications

Digital SpO ₂	
Measurement Range	1 ~ 100 %
Resolution	1%
Accuracy	At 70~100%, ±2% At 0~69%, unspecified
Pulse Rate Range	25 ~250 bpm
Resolution	1 bpm
Pulse Rate Accuracy	±1% or ±1 bpm, whichever is greater

Temperature	
Measurement Range	0°C ~ 50°C
Accuracy	±0.2°C at 45.1°C - 50°C; ±0.1°C at 25°C - 45°C; ±0.2°C at 0°C - 24.9°C; (Exclusive of probe)
Connecting Cable	Compatible with YSI 400 Series

Trend	
Graphical Trend	168 Hours
Alarm Events	1000 -1800
NiBP Measurements	750 - 1000

Recorder	
Method	Thermal dot array
Paper Width	50 mm
Paper Speed	12.5/25/50(mm/sec)
Traces	Maximum 3 traces

Environmental	
Temperature	0°C-45°C
Relative Humidity	<80%
Atmospheric Pressure	86 kPa-106 kPa

Options	
2-IBP Channels	
Touch Screen Display	
ETCO ₂ (Main Stream or side stream)	
Second Battery (12V / 2.0Ah)	
Multi-Gas / AGM	
Non-Invasive Cardiac Output (Impedance cardiography)	
Thermal Recorder	
Note: Optional features shall be configured at factory prior to shipment based on customer order.	

Standard Accessories	
ECG Patient Cable (5 lead)	1 No.
Disposable Electrodes	1 Packet
NiBP Cuff	3 Set
Temperature Probe	1 No.
SpO ₂ Adult Sensor Probe	1 No.
Power Cord	1 No.
Rechargeable Lead Acid Battery	1 No.



CERTIFIED ISO 13485 : 2016 COMPANY

BPL Medical Technologies Private Limited

Regd. Office: 11th KM, Bannerghatta Road,
Arakere, Bangalore - 560076, India.

Toll Free: 1800-4252355

Website: www.bplmedicaltechnologies.com

For Enquiries: sales.medical@bpl.in

CIN: U33110KA2012PTC067282

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