

PATIENT MONITORING

HORIZON ECO

ECG/SPO2/NIBP/RESP/TEMP



Key Features

- For Adult, Pediatrics and neonates
- 12.1 inch colour TFT LCD display with high resolution
- Automatic freezing and ST segment analysis function
- 96 hours trend chart and alarm function
- 100 groups of VPC data of HR, Temp, Spo2 and RR of patient are stored when VPC occurs
- Storing 400 groups' data of HR, Temp, Spo2 and RR of patient are stored when NIBP measured
- Can be used with ESU (Electro surgical unit), defibrillator and pacemaker simultaneously

Other Specification (Optional)

- Built-in recorder
- Wired or Wireless Central Monitoring System

TECHNICAL SPECIFICATIONS

ECG

Lead Configuration:	3 Leads or 5 Leads
3 Leads cable:	RA, LA, LL
Lead Mode:	I, II, III
5 leads cable:	RA, LA, LL, RL, and V
Lead mode:	I, II, III, aVR, aVL, aVF, V (7 leads)
Gain:	0.25, 0.5, 1, 2, AUTO
Heart rate range:	30 – 350 bpm
Accuracy:	± 10% or ± 5bpm, choosing the greater
Resolution:	1 bpm
Sensitivity:	> 200 μ V
Input Impedance:	> 5M Ω

NIBP

Measurement mode:	Intelligent Oscillation Mode
Cuff Inflating time :	<30 sec
Initial cuff Inflating pressure:	Adult Mode: 160mmHg Pediatric Mode: 120mmHg Neonatal Mode: 70mmHg
Maximum allowed Inflating Pressure:	300mmHg
Measuring deflating Time:	Average < 90sec
Accuracy of blood pressure:	Maximum average error ± 4mmHg
Resolution:	1mmHg
Protection of over pressure:	Adult: 300mmHg Peadriatics: 240mmHg Neonates: 150mmHg

SPO2

Sensor:	Two-wave LED
Range:	0% - 100%
Resolution:	1%
Accuracy:	± 2% (70-100%), ± 3% (50-69%)
Range of Pulse rate:	40-250 beat/min
Accuracy of Pulse rate:	± 2beat/min

RESP

Method:	Thoracic Impedance
RR Measurement range:	10 – 100 bpm
Accuracy:	1bpm

TEMP

Measurement range:	25°-45°c
Measurement unit:	°C/F selectable



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