

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
- Wire or Wireless Central Monitoring System

TECHNICAL SPECIFICATION

ECG	Lead Configuration:	Standard 3 Leads 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
	Heart rate range:	30 – 300 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: 180mmHg Neonate Mode: 120mmHg
	Maximum allowed Inflating Pressure:	300mmHg
	Measuring deflating Time:	Average < 90sec
	Accuracy of blood pressure:	Maximum average error 4mmHg
	Resolution:	1 mmHg
	Protection of over pressure:	Adult: 300mmHg Peadriatrics: 240mmHg Neonates: 150mmHg
SPO2	Sensor:	Two-wave LED
	Range:	0% - 100%
	Resolution:	1%
	Accuracy:	$\leq \pm 2\%$ (70-100%), $\leq \pm 4\%$ (40-69%)
	Range of Pulse rate:	40-250 beat/min
	Accuracy of Pulse rate:	± 2 beat/min
RESP	Method:	Thoracic Impedance
	RR Measurement range:	10 – 100 bpm
	Accuracy:	1bpm
TEMP	Measurement range:	20-45 $^{\circ}$ c
	Measurement unit:	$^{\circ}$ C/F selectable



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