

# 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

<b>ECG</b>	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 $\mu$ V
	Input Impedance:	> 5M $\Omega$
<b>NIBP</b>	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
<b>SPO2</b>	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:	$\pm 2$ beat/min
<b>RESP</b>	Method:	Thoracic Impedance
	RR Measurement range:	10 – 100 bpm
	Accuracy:	1bpm
<b>TEMP</b>	Measurement range:	20-45 $^{\circ}$ c
	Measurement unit:	$^{\circ}$ C/F selectable



## Nidek Medical India Private Limited

**Head Office:** 238B A.J.C. Bose Road, Kolkata 700 020, Tel: (033) 4017 7000 (30 Lines), Mob: 93395 66444

**Delhi:** 322, 3rd floor, Ansal Chamber II, 6, Bhikaji Cama Place, New Delhi 110 066, Tel: (011) 2616 5742, Mob: 93501 83222

**Chennai:** W-66, 2nd Street, Anna Nagar, Chennai 600 040, Tel: (044) 4266 3662, Mob: 93808 06777, 93459 70044

**Mumbai:** 211 B, Damji-Shamji Industrial Estate, 9 LBS Marg, Kurla (W), Mumbai 400 070, Tel: (022) 4215 5441 / 80809 14400

**Hyderabad:** H.NO-3-41-66, Sri Laxmi Nilayam, South Block, West Marredpally, Secunderabad 500 026, Tel: (040) 4015 0243, 93468 32266

**Lucknow:** 1/44 Vijayant Khand Gomti Nagar, Lucknow 226 010, Tel: 93361 20941

**Chandigarh:** 2nd Floor, SCO# 355, Sector 32-D, Chandigarh 160 031, Tel: 93562 78899

E-mail: [sales@nidekindia.com](mailto:sales@nidekindia.com), Website: [www.nidekindia.com](http://www.nidekindia.com)

