



# PATIENT MONITORING

## HORIZON

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

- Mainstream / Sidestream ETCO2 of Respironics (Philips) is optional
- Dual IBP is optional
- Built-in recorder is optional

# 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	
	Gain:	0.25, 0.5, 1, 2	
	Heart rate range:	20 – 230 bpm	
	Accuracy:	± 1% or ± 1bpm, 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 $\pm$ 5mmHg	
	Maximum standard deviation:	8mmHg	
	Protection of over pressure:	Adult: 300mmHg Peadriatics: 240mmHg Neonates: 150mmHg	
	<b>SPO2</b>	Sensor:	Two-wave LED
		Range:	0% - 100%
Resolution:		1%	
Accuracy:		$\leq \pm$ 2% (70-100%), $\leq \pm$ 3% (50-69%)	
Range of Pulse rate:		20 ~ 254 beat/min	
Accuracy of Pulse rate:		$\pm$ 1beat/min	
<b>RESP</b>	Method:	Thoracic Impedance	
	RR Measurement range:	0 – 100rpm	
	Accuracy:	$\pm$ 1rpm	
<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 700020, Tel: (033) 4017 7000 (30 Lines), Fax: 91 (033) 2289 4217

**Delhi:** 238 Ansal Chambers II, 6, Bhikaji Cama Palace, New Delhi 110066, Tel: (011) 2616 5742, 93501 83222, 93135 77444

**Chennai:** AE - 32, 7th Street, 10th Main Road, Anna Nagar, Chennai 600040, Tel: (044) 4266 3662, 93808 06777, 93459 70044

**Mumbai:** 211 B, Damji-Shamji Industrial Estate, 9 LBS Marg, Kurla (W), Mumbai 400070, Tel: (022) 4215 5441 / 93204 22266

**Hyderabad:** H.NO-3-41-66, Sri Laxmi Nilayam, South Block, West Marredpally Secunderabad 500026, Tel: 93468 32266

**Nagpur:** 93738 38883, **Ahmedabad:** 93284 22333, **Lucknow:** 93361 20941

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