

PATIENT MONITORING

HORIZON 15 ECG / SPO2 / NIBP / RESP / TEMP

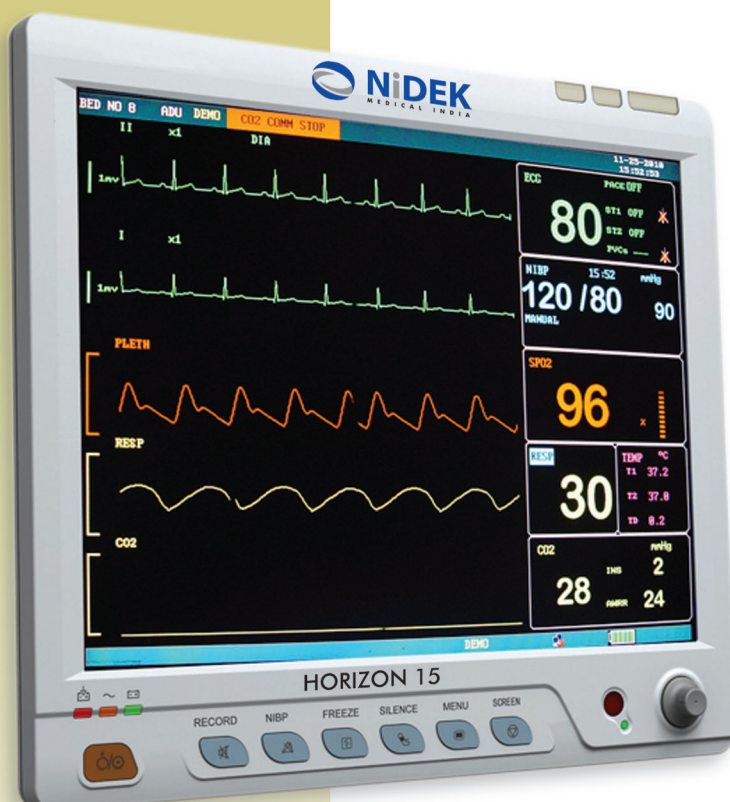
The Nidek Horizon 15 is a patient monitoring system designed for adults, pediatrics and neonates. It is ultra thin and wall mounted for ease of placement and operation.

Key Features

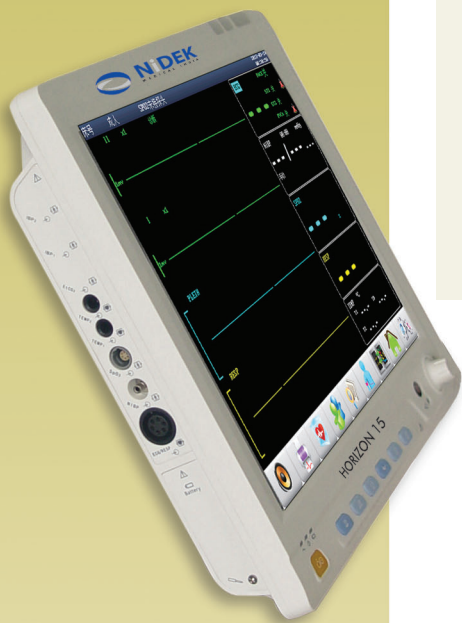
- 15 inch colour LCD with Touchscreen
- Alarm function - Multi level pulse volume adjustable - Parameter display colours adjustable
- Automatic freezing and ST segment analysis function
- 192 hour trend graph, 1000 sets of NIBP list, Arrhythmia analysis
- With pacemaking analysis - can be used with pacematers and defibrillators
- Variety of display styles - Multi-lead ECG, big font display, short trend display interface

Other Specification (Optional)

- Mainstream / Sidestream ETCO2
- Single / Dual IBP
- External recorder
- Masimo SPO₂
- 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:	1mmHg	
	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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