



BSM-2351A

*iPro*

## Portable Bedside Monitor

- 10.4 inch high-resolution touchscreen display
- Multi-Port connector with Smart Cable technology
- Multi template arrhythmia and ST analysis
- Enlarged numeric display window

**Nihon Kohden America**  
**Smarter is better.**

# Features

- High resolution, 10.4 inch active matrix
- LCD display
- User-friendly touchscreen operation
- Monitors up to 7 parameters and 5 traces - ECG, respiration (impedance and thermistor method), SpO<sub>2</sub>, NIBP, temperature, IBP, and CO<sub>2</sub> (mainstream)
- Multi-Port connector with Smart Cable technology
- User-programmable function keys
- Enlarged numeric display mode
- Arrhythmia and ST analysis with recall and review
- Multi-template arrhythmia analysis
- 24 hour graphical trends
- Comprehensive vital signs list
- OCRG screen for neonatal monitoring
- Hardwired and wireless network capability
- Optional 3-channel thermal array recorder
- 3 hour battery operation

## Specifications

### Display

Size: 10.4 inch, active matrix LCD display

Resolution: 800 x 600 dpi

Number of traces: 5

Displayed waveform parameters: ECG (x2), respiration, pulse (SpO<sub>2</sub>), IBP, CO<sub>2</sub>

Numerical data display: Heart rate, VPC, ST level, SpO<sub>2</sub>, pulse rate, respiration rate, NIBP (systolic, diastolic, mean), IBP (systolic, diastolic, mean), temperature, EtCO<sub>2</sub>, FiCO<sub>2</sub>

### Trendgraph

Parameters: Heart rate (or pulse rate), respiration rate, VPC, ST level, apnea (time), apnea (frequency), SpO<sub>2</sub>, NIBP (systolic, diastolic, mean), IBP (systolic, diastolic, mean), temperature, EtCO<sub>2</sub>, arrhythmia events

Trend time: 1, 2, 4, 8, or 24 hours

### Vital Signs List

List items: Heart rate (or Pulse rate), respiration rate, VPC rate, ST level, SpO<sub>2</sub>, IBP (systolic, diastolic, mean), temperature, EtCO<sub>2</sub>, NIBP (systolic, diastolic, mean)

Data storage: 120 files for vital signs list, 120 files for NIBP list

### Arrhythmia Recall

Number of recall files: 16

### ECG

Leads: 3 electrodes (I, II, III), 6 electrodes (I, II, III, aVR, aVL, aVF, Va, Vb)

Heart rate counting range: 12 to 300 bpm

### Arrhythmia Detection

Detection method: Multi-template software algorithm

VPC counting range: 0 to 99 vpc/min

### ST Analysis

Measurement channels: 1 ch

Measurement range: ±2.5 mV

### Respiration (impedance)

Measurement method: Measures the impedance change between R-F/R-L selectable electrodes

Measuring range: 0 to 150 resp/min

### Respiration (thermistor)

Measurement method: Measures the change between inspiration and expiration temperature

Measuring range: 0 to 150 resp/min

### SpO<sub>2</sub>

Measuring range: 50 to 100%

### Pulse Rate Monitoring

Measuring range: 0, 30 to 300 bpm (SpO<sub>2</sub>),

12 to 300 bpm (IBP)

Measuring method: SpO<sub>2</sub>, IBP

### NIBP

Measuring method: Oscillometric

Pressure display range: 0 to 300 mmHg

### IBP

Measuring range: -50 to 300 mmHg

### Temperature

Measuring range: 32° to 113° F (0 to 45° C)

### CO<sub>2</sub>

Measuring range: 0 to 76 mmHg

### Power Requirements

100 to 240 V AC, 50/60 Hz

### Dimensions and Weight

11.5 W x 10.7 H x 5.8 D (in) 11 lbs. (approx.)

293 W x 272 H x 149 D (mm) 5 kg.



Nihon Kohden America, Inc.

90 Icon Street, Foothill Ranch, CA 92610

Toll-free: 800.325.0283 Phone: 949.580.1555

Fax: 949.580.1550 email: info@nkusa.com

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