Introducing
Innovative Wireless
Patient Monitoring



WIRELESS MULTI-PARAMETER VITAL SIGNS MONITORS



### AN INNOVATIVE BREAK FROM TRADITION

WIRELESS DESIGN UNTETHERS PATIENTS FROM BEDSIDE MONITORING

The MobiCare Series Multi-parameter Patient Monitoring System consists of a Patient Module that wirelessly transmits real-time vital sign signals to a Bedside Display or a touch screen Tablet computer.

### **Bedside Display**



- 15-inch true color TFT touch screen console
- Dual operation control: Touch screen or console operating buttons
- Wireless receiver of real-time vital-sign signals from patient module
- · Alarm system: Audible and visual
- Dual power supply: AC power or lithium battery
- Long term trends of recorded data and ECG playback
- · Automatic printing upon alarm or manual printing



#### **Patient Module**



- 2.8-inch true color TFT screen for display of real-time vital-signs and signals
- Wireless transmission of real-time vital-sign signals to bedside monitor
- · Compact and lightweight for patient comfort
- Powered by a high-capacity lithium battery for 48 hours of continuous use
- Separate, stand-alone battery charger for user safety
- Displays real-time vital-signs and signals including ECG, HR, SpO., NIBP, Respiratory, and Temperature
- Patient body position detection and fall alarm
- · Pager function for locating the patient module easily



WIRELESS MULTI-PARAMETER VITAL SIGNS MONITORS

The complete and perfect realization of untethered patient monitoring



# LIBERATING PATIENTS THROUGH INNOVATION ADVANCING HEALTHCARE WITH TECHNOLOGY

Traditional bedside patient monitors tethers the patient and restricts them to the bed. For patients who can or should be allowed some freedom of motion, such a restriction is physically and mentally detrimental to their recovery. Some would simply refuse to continue the monitoring. Inadequate monitoring of patients will undoubtedly increase the risk to the patient and increase cost to the healthcare system.

### INTELLIGENT OPERATION MULTIPLE INTERFACE USER-FRIENDLY DESIGN SUPERIOR PERFORMANCE



Main Interface Display



Large Fonts Display



Trend Display



Arrhythmia Analysis



ST-Segment Analysis



Medication Calculator

## MobiCare WIRELESS MULTI-PARAMETER VITAL SIGNS MONITORS

Lead configuration	Technical Specifications								
Heart rate range Heart rate accuracy Heart rate accuracy  CMR Posset of Logs arage Input impedance ST-segment detection Pacemaker Measurement method Measurement Range Accuracy Accuracy Respiration  SPO <sub>2</sub> Accuracy Measurement Range Accuracy Measurement Range Accuracy Measurement Method of Depration mode NIBP  Temperature  Measurement Accuracy Measurement Accuracy Degree of protection against electric shock Dimension And Weight Power  Power  Patient Module  Bedside Monitor  Patient Module  Rechiges are displays recovers within 5 second after defibrillation (except in Diagnosis Mode)  ### A300mV  ### A300mV  ### A50mV ### A50mV ## A50mV ### A50mV ##		Lead configuration	Standard 3 or 5 electrodes						
Heart rate accuracy   Heart rate accuracy   ±1% or ±1bpm (whichever is the larger one)   ±300mV   ±300mV   ±300mV   ±5mV		Adjustable Gain	×0.25, ×0.5, ×1, ×2						
Pediatric: 15bpm-350bpm   Pediatric: 15bpm		Heart rate range	Adult: 15bpm-300bpm						
CMRR   Offset voltage range   ±300mV     Defib Recovery   ECG displays recovers within 5 second after defibrillation (except in Diagnosis Mode)     Input voltage range   ±5mV     Input impedance   ST-segment detection   Measurement range-2.0mV~+2.0mV   Display resolution: 0.01mV     Pacemaker   Pacemaker   Pacemaker detection/Pacemaker rejection     Measurement Range   Adult: 7-120BrPM   Pediatric 7-150 BrPM     Apnea alarm   10-40 s     Measurement Range   Accuracy   Unspecified(0-69%)     Range of pulse rate   Method of determination   Operation mode     Pressurize gauge   Accuracy   S-30mmHg     Accuracy   S-3mmHg   Pacemaker detection/Pacemaker rejection     MiBP   Measurement Range   Onlo%     10-40 s   Operation Mode     Method of determination   Operation mode   Manual/Automatic/Continuous     Operation Mode   Pressurize gauge   OmmHg-300mmHg     Accuracy   S-3mmHg   O*C ~50°C     Measurement Range   Patient Module   PR3 (IEC 60529)     Dignee of protection against ingress of water     Dignee of protection against ingress of water     Dignee of protection against ingress of water     Dignee of protection against electric shock   Patient Module   Is3mm×87mm×34mm, weight 300g     Bedside Monitor   Patient Module   Rechargeable Lithium battery 14.8V/4400mAh   Battery Life: 2 Hours     Power   Patient Module   Rechargeable Lithium battery 3.7V/5000mAh   Battery Life: 48 Hours			Pediatric: I 5bpm-350bpm						
Defib Recovery   ECG displays recovers within 5 second after defibrillation (except in Diagnosis Mode)		Heart rate accuracy	±1% or ±1bpm (whichever is the larger one)						
Defits revoltage range   ±300mV	ECC	CMRR	>90dB						
Input voltage range	ECG	Offset voltage range	±300mV						
Input impedance   >5MΩ		Defib Recovery	ECG displays recovers within 5 second after defibrillation (except in Diagnosis Mode)						
ST-segment detection Pacemaker Pacemaker Pacemaker Pacemaker Pacemaker rejection Pacemaker Pacemaker rejection Pacemaker Pacemaker rejection Pacemaker rejection Thoracic impedance variations (RA-LL) Measurement Range Adult: 7-120BrPM   Pediatric 7-150 BrPM Apnea alarm 10-40 s  Measurement Range Accuracy Accuracy Pacemaker detection/Pacemaker rejection Thoracic impedance variations (RA-LL) Measurement Range Adult: 7-120BrPM   Pediatric 7-150 BrPM Apnea alarm 10-40 s  Measurement Range Accuracy		Input voltage range	±5mV						
Pacemaker   Pacemaker detection/Pacemaker rejection		Input impedance	>5MΩ						
Measurement method   Measurement Range   Adult: 7-120BrPM   Pediatric 7-150 BrPM		ST-segment detection	Measurement range: -2.0mV~+2.0mV   Display resolution: 0.01mV						
Measurement Range   Adult: 7-120BrPM   Pediatric 7-150 BrPM		Pacemaker	Pacemaker detection/Pacemaker rejection						
Apnea alarm Measurement Range O-100% Accuracy L2%(70-100%) Unspecified(0-69%) Range of pulse rate Method of determination Operation mode Pressurize gauge Accuracy Accuracy S-300mmHg Accuracy S-300mmHg Accuracy S-300mmHg Accuracy S-300mmHg Accuracy S-300mmHg Accuracy S-300mmHg Accuracy Measurement Range Accuracy Measurement Accuracy Measurement Accuracy Measurement Accuracy Degree of protection against ingress of water Dimension And Weight Patient Module Bedside Monitor Patient Module Bedside Monitor Patient Module Rechargeable Lithium battery 14.8V/4400mAh   Battery Life: 2 Hours Power Patient Module Rechargeable Lithium battery 3.7V/5000mAh   Battery Life: 48 Hours Continuous Continuous		Measurement method	Thoracic impedance variations (RA-LL)						
Measurement Range   0-100%   ±2%(70-100%)   Unspecified(0-69%)     Range of pulse rate   30-250bpm     Method of determination   Oscillometric Method     Operation mode   Manual/Automatic/Continuous     Pressurize gauge   OmmHg~300mmHg     Accuracy   ≤ ±3mmHg     Measurement Range   0°C ~50°C     Measurement Accuracy   ±0.2°C (including the sensor)     Degree of protection against ingress of water     Degree of protection against electric shock   ECG/ SpO2/ NIBP/TEMP: CF     Dimension And Weight   Bedside Monitor   400mm×188mm×325mm, 6kg     Patient Module   163mm×87mm×34mm, weight 300g     Bedside Monitor   100-240V AC   Rechargeable Lithium battery 14.8V/4400mAh   Battery Life: 2 Hours     Patient Module   Rechargeable Lithium battery 3.7V/5000mAh   Battery Life: 48 Hours     Operation Mode   Continuous	Respiration	Measurement Range	Adult: 7-120BrPM   Pediatric 7-150 BrPM						
Accuracy Unspecified(0-69%)  Range of pulse rate 30-250bpm  Method of determination Oscillometric Method  Operation mode Manual/Automatic/Continuous  Pressurize gauge OmmHg~300mmHg  Accuracy ≤ ±3mmHg  Measurement Range 0°C ~50°C  Measurement Accuracy ±0.2°C (including the sensor)  Degree of protection against ingress of water  Degree of protection against electric shock  Dimension And Weight  Patient Module 163mm×87mm×325mm, 6kg  Bedside Monitor 400mm×188mm×325mm, 6kg  Bedside Monitor 100-240V AC   Rechargeable Lithium battery 14.8V/4400mAh   Battery Life: 2 Hours  Patient Module Rechargeable Lithium battery 3.7V/5000mAh   Battery Life: 48 Hours  Operation Mode Continuous		Apnea alarm	10-40 s						
Accuracy Unspecified(0-69%)  Range of pulse rate 30-250bpm  Method of determination Oscillometric Method  Operation mode Manual/Automatic/Continuous  Pressurize gauge OmmHg~300mmHg  Accuracy ≤±3mmHg  Measurement Range O°C ~50°C  Measurement Accuracy ±0.2°C (including the sensor)  Degree of protection against ingress of water  Degree of protection against electric shock  Dimension And Weight  Patient Module   Bedside Monitor   Honoral Module   H	SPO <sub>2</sub>	Measurement Range	0-100%						
NIBP    Method of determination   Oscillometric Method		Accuracy							
NIBP       Operation mode       Manual/Automatic/Continuous         Pressurize gauge       0mmHg~300mmHg         Accuracy       ≤ ±3mmHg         Measurement Range       0°C ~50°C         Measurement Accuracy       ±0.2°C (including the sensor)         Degree of protection against ingress of water       Patient Module       IPX3 (IEC 60529)         Degree of protection against electric shock       ECG/ SpO2/ NIBP/TEMP: CF         Bedside Monitor       400mm×188mm×325mm, 6kg         Patient Module       163mm×87mm×34mm, weight 300g         Bedside Monitor       100-240V AC   Rechargeable Lithium battery 14.8V/4400mAh   Battery Life: 2 Hours         Patient Module       Rechargeable Lithium battery 3.7V/5000mAh   Battery Life: 48 Hours         Operation Mode       Continuous		Range of pulse rate	30-250bpm						
Pressurize gauge   OmmHg~300mmHg		Method of determination	Oscillometric Method						
Pressurize gauge OmmHg~300mmHg  Accuracy ≤±3mmHg  Measurement Range O°C ~50°C  Measurement Accuracy ±0.2°C (including the sensor)  Patient Module IPX3 (IEC 60529)  Degree of protection against electric shock  Dimension And Weight  Patient Module I63mm×87mm×34mm, weight 300g  Bedside Monitor I00-240V AC   Rechargeable Lithium battery I4.8V/4400mAh   Battery Life: 2 Hours  Patient Module Rechargeable Lithium battery 3.7V/5000mAh   Battery Life: 48 Hours  Continuous	NIDD	Operation mode	Manual/Automatic/Continuous						
Temperature    Measurement Range   0°C ~50°C     Measurement Accuracy   ±0.2°C (including the sensor)   Degree of protection against ingress of water     Degree of protection against electric shock   ECG/ SpO2/ NIBP/TEMP: CF     Dimension And Weight   Bedside Monitor   400mm×188mm×325mm, 6kg     Patient Module   163mm×87mm×34mm, weight 300g     Power   Bedside Monitor   100-240V AC   Rechargeable Lithium battery 14.8V/4400mAh   Battery Life: 2 Hours     Patient Module   Rechargeable Lithium battery 3.7V/5000mAh   Battery Life: 48 Hours     Continuous   Continuous     Continuous   Con	NIBP	Pressurize gauge	0mmHg~300mmHg						
Temperature  Measurement Accuracy ±0.2°C (including the sensor)  Patient Module IPX3 (IEC 60529)  Degree of protection against electric shock  Dimension And Weight  Patient Module I63mm×87mm×34mm, weight 300g  Bedside Monitor I00-240V AC   Rechargeable Lithium battery I4.8V/4400mAh   Battery Life: 2 Hours  Patient Module Rechargeable Lithium battery 3.7V/5000mAh   Battery Life: 48 Hours  Continuous		Accuracy	≤ ±3mmHg						
Degree of protection against ingress of water   Patient Module   IPX3 (IEC 60529)	T	Measurement Range	0°C ~50°C						
Against ingress of water  Degree of protection against electric shock  Dimension And Weight  Patient Module  Bedside Monitor  Patient Module  Bedside Monitor  Patient Module  163mm×87mm×34mm, weight 300g  Bedside Monitor  Power  Bedside Monitor  Patient Module  Bedside Monitor  Patient Module  Bedside Monitor  100-240V AC   Rechargeable Lithium battery 14.8V/4400mAh   Battery Life: 2 Hours  Patient Module  Continuous  Continuous	Temperature	Measurement Accuracy	±0.2°C (including the sensor)						
Bedside Monitor   400mm×188mm×325mm, 6kg   Patient Module   163mm×87mm×34mm, weight 300g	•	Patient Module	IPX3 (IEC 60529)						
Patient Module 163mm×87mm×34mm, weight 300g  Bedside Monitor 100-240V AC   Rechargeable Lithium battery 14.8V/4400mAh   Battery Life: 2 Hours  Patient Module Rechargeable Lithium battery 3.7V/5000mAh   Battery Life: 48 Hours  Continuous	•		ECG/ SpO2/ NIBP/TEMP: CF						
Patient Module 163mm×87mm×34mm, weight 300g  Bedside Monitor 100-240V AC   Rechargeable Lithium battery 14.8V/4400mAh   Battery Life: 2 Hours  Patient Module Rechargeable Lithium battery 3.7V/5000mAh   Battery Life: 48 Hours  Continuous	Dimension And Weight	Bedside Monitor	400mm×188mm×325mm, 6kg						
Patient Module Rechargeable Lithium battery 3.7V/5000mAh   Battery Life: 48 Hours  Operation Mode Continuous		Patient Module	163mm×87mm×34mm, weight 300g						
Patient Module Rechargeable Lithium battery 3.7V/5000mAh   Battery Life: 48 Hours  Operation Mode Continuous	Power	Bedside Monitor	100-240V AC   Rechargeable Lithium battery 14.8V/4400mAh   Battery Life: 2 Hours						
·		Patient Module	Rechargeable Lithium battery 3.7V/5000mAh   Battery Life: 48 Hours						
Wireless Frequency 2.4GHz	Operation Mode		Continuous						
	Wireless Frequency		2.4GHz						

MobiCare™ Patient Monitor System Configuration								
Model	ECG	NIBP	SPO <sub>2</sub>	Respiration	Temperature	Pulse rate		
1601	✓	✓	✓	✓	✓	✓		
1501	✓	✓		✓	✓			
1401	✓		✓	✓	✓	✓		



REV:BIOX3.800.008.V0I



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