Introducing

Innovative Wireless

Patient Monitoring

MobiCare

WIRELESS MULTI-PARAMETER VITAL SIGNS MONITORS

Vasomedical ® ✚BIOX ®

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_2, NIBP, Respiratory, and Temperature

- Patient body position detection and fall alarm

- Pager function for locating the patient module easily

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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

Technical Specifications

ECG	Lead configuration	Standard 3 or 5 electrodes
	Adjustable Gain	×0.25, ×0.5, ×1, ×2
	Heart rate range	Adult: 15bpm-300bpm
		Pediatric: 15bpm-350bpm
	Heart rate accuracy	±1% or ±1bpm (whichever is the larger one)
	CMRR	>90dB
	Offset voltage range	±300mV
	Defib Recovery	ECG displays recovers within 5 second after defibrillation (except in Diagnosis Mode)
	Input voltage range	±5mV
	Input impedance	>5MΩ
	ST-segment detection	Measurement range: -2.0mV~+2.0mV | Display resolution: 0.01mV
	Pacemaker	Pacemaker detection/Pacemaker rejection
Respiration	Measurement method	Thoracic impedance variations (RA-LL)
	Measurement Range	Adult: 7-120BrPM | Pediatric 7-150 BrPM
	Apnea alarm	10-40 s
SPO₂	Measurement Range	0-100%
	Accuracy	±2%(70-100%) Unspecified(0-69%)
	Range of pulse rate	30-250bpm
NIBP	Method of determination	Oscillometric Method
	Operation mode	Manual/Automatic/Continuous
	Pressurize gauge	0mmHg~300mmHg
	Accuracy	≤ ±3mmHg
Temperature	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
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
Operation Mode		Continuous
Wireless Frequency		2.4GHz

MobiCare™ Patient Monitor System Configuration

Model	ECG	NIBP	SPO₂	Respiration	Temperature	Pulse rate
1601	✓	✓	✓	✓	✓	✓
1501	✓	✓		✓	✓	
1401	✓		✓	✓	✓	✓