KIZLON

Multi-Parameter
Patient Monitor

Kizlon Medical

Email: info@kizlonmedical.com | Website: www.kizlonmedical.com

Multi-Parameter Patient Monitor KPM-A1 Series

Models of Portable Patient Monitor KPM-A1 Series has color TFT displays of 15″, 12.1″, 10.4″, and 8.4″. We delivers modern and flexible patient monitoring system which built in 8 different languages and commonly required parameters like NIBP, SPO2, Temp., Resp., PR.

Features:

- Resolution is 1024×768 dpi, 800 ×600dpi
- Advance patient Manage: gender, full name, ID no., room no., bed no., weight, height, blood type, paced or not, remakes
- It provide Multi-display interface as Standard, Large font, Trend Coexist, OxyCRG dynamic, 7 full ECG waveforms
- Maximum 720h tabular and graphic trends of all parameters, 1000NIBP records and 200 alarm event
- There are 6 Parameters each for standard and optional:
  Standard – 5-lead ECG/HR, NIBP, SPO2, Temp., Resp., PR.,
  Optional – 3/12-lead ECG, single/double IBP, double Temp., Sun Tech NIBP, Masimo/Nellcor Spo2, ETCO2,BIS,CO;
- Battery is Built-in 2 hours rechargeable lithium battery, and battery volume display 4 hours rechargeable lithium battery (optional)
- If monitor turn off suddenly, time delay switch-off function is available to save data
- Unique standby mode for energy saving and suspend monitoring
- Optional Features: Touch Screen, Printer, 3/12-lead ECG, 2/4-IBP,4-TEMP,2-SpO2, Nellcor SpO2,BIS, Phaisein/Respironics Multi-gas, ICG/CO, ETCO2, Sun Tech NIBP, Wall mount, VGA, Wifi

Applications:

Portable Patient Monitor KPM-A1 Series is widely used for a broad clinical applications that includes:

- Cardiac monitoring, ECG, etc.
- Blood pressure and blood flow monitoring
- Blood glucose monitoring
- Body temperature monitoring

Technical Parameters:

Model	KPM-A100	KPM -A101	KPM-A102	KPM-A103	KPM-A104	KPM-A105	KPM-A106
Color TFT Display	15 inches	12.1 inches	12.1 inches	12.1 inches	10.4 inches	10.4 inches	8.4 inches
Safety	Class 1, Type CF						
Patient Range	Neonate, Pediatric and Adult						
Environment Requirement							
Working	0 + 40°C						
Transportation and Storage	-20 + 60°C						
Humidity	15-95% non-condensing						
Power Supply							
External Power Supply	100-240V AC, 50/60Hz						
Internal Battery Power Supply	Rechargeable li-lion, 12V/4AH Max. 24H charging, 4H working						
Trend							
Parameters graphic and tubular trends	5s/piece 8 hours, 1min/piece 168 hours, 5 min/piece 1000 hours						
Storage							
NIBM	1000 groups						
Alarm	200 groups						
Full disclosure waveforms	1 hour						

ECG:

Model	KPM-A100	KPM-A101	KPM-A102	KPM-A103	KPM-A104	KPM-A105	KPM-A106
Lead Mode	5 –lead(R, L, F, N, C)						
Lead Selection	I, II, III, avR, avL, avF, V						
Waveform	3 and 7 channel selectable						
Gain selection	0.5mm/mv, 1mm/mv, 2mm/mv						
Sweep speed	12mm/s, 25mm/s, 50mm/s						
Heart rate change	Adult: 15-300bpm; Neonate/ pediatric: 15-350bpm						
Accuracy	+1bpm or +1%, whichever is greater						
Resolution	1bpm						
Filter	Surgery mode= 1-20Hz						
Monitor model	0.5-40Hz						
Diagnostic model	0.05-130Hz						
Scaling signal	1mv, +3%						
Protection	Withstand 4000VAC/50 voltage isolation against electrosurgical interference and defibrillation						
Alarm range	15-350bpm						
Measurement range	2.0mV+0.2mV						
Alarm range	-2.0mV+0.2mV						
Accuracy	-0.8mV+0.8mV						
Error	0.002mV						
Arrhythmia analysis	YES						

SPO_2:

Model	KPM-A100	KPM-A101	KPM-A102	KPM-A103	KPM-A104	KPM-A105	KPM-A106
Measurement range	0-100%						
Resolution	1%						
Accuracy	+2% (70-100%); 0-69% unspecified						
Alarm range	0-100%						
Pulse rate	20-300bpm						
Resolution	1bpm						
Error	+1bpm or +%, whichever is greater						

NIBP:

Model	KPM-A100	KPM-A101	KPM-A102	KPM-A103	KPM-A104	KPM-A105	KPM-A106
Method	Digital automatic oscillometric						
Operation mode	Manual/Automatic/Continuous						
Auto measurement time	Adjustable(1-480min)						
Measurement unit	mmHg/Kpa selectable						
Measurement types	Systolic, Diastolic, Mean						
Resolution	1mmHg						
Alarm	Systolic, Diastolic, Mean						
Measurement range							
Systolic pressure	Adult: 40-270mm/Hg; Pediatric: 40-220mmHg; Neonate: 40-135mm/Hg						
Mean pressure	Adult: 20-235mm/Hg; Pediatric: 20-165mmHg; Neonate: 20-110mm/Hg						
Diastolic pressure	Adult: 10-215m/Hg; Pediatric: 10-150mmHg; Neonate: 10-100mm/Hg						

TEMP:

Model	KPM-A100	KPM-A101	KPM-A102	KPM-A103	KPM-A104	KPM-A105	KPM-A106
Compatible probe	YSI or CYF						
Measurement range	5-50°C						
Resolution	0.1°C						
Accuracy	+0.1°C						
Refreshing time	About 1						
Average measuring time	<10s						

RESP:

Model	KPM-A100	KPM-A101	KPM-A102	KPM-A103	KPM-A104	KPM-A105	KPM-A106
Method	Thoracic impedance						
Measurement range	Adult: 7-120rpm; Neonate/pediatric: 7-150rpm						
Apnea alarm	Yes, 10-40s						
Resolution	1rpm						
Accuracy	+2rpm						

Optional:

IBP:

Model	KPM-A100	KPM-A101	KPM-A102	KPM-A103	KPM-A104	KPM-A105	KPM-A106
Channel	2 channels						
Range	50-300mmHg						
Resolution	1mmHg						
Accuracy	±4mmHg(±4%)						
Unit	mmHg, Kpa						
Converter sensitivity	5mV/V/mmHg						
Transducer sites	ART/PA/CVP/LAP/RAP/ICP						

EtCO2 (side stream CO2, optional)

Model	KPM-A100	KPM-A101	KPM-A102	KPM-A103	KPM-A104	KPM-A105	KPM-A106
Measurement range	0-99mmHg						
Accuracy	+2mmHg (0-40mmHg)						
Sampling range	100ml/min						
Sampling rate accuracy	15%						
Respiration rate	0-120rmp						
Respiration accuracy	+2rmp (0-70rmp) +5rmp (>70rmp)						
Respiration time	<240msec (10% to 90%)						
Delay time	<2s						

Recorder (Optional)

Model	KPM-A100	KPM-A101	KPM-A102	KPM-A103	KPM-A104	KPM-A105	KPM-A106
Plethysmogram wavewform	2 channels						
Record mode	Manual, on alarm, time-defined						
Recording width	50mm						
Recording type	Frozen waveform record						

EtCO2: (mainstream CO2, optional)

Model	KPM-A100	KPM-A101	KPM-A102	KPM-A103	KPM-A104	KPM-A105	KPM-A106
Method	Infrared Spectrum						
Range	0.0-10% (0-76%)						
Resolution	1mmHg (0.1%)						
Accuracsy	<5% (±4.0 mmHg) Or <10% (of readings)						

Multi-Parameter Patient Monitor KPM-A200

We offer multi-parameter patient monitor which provides a comprehensive system simultaneously monitoring and recording vital parameters of ECG, NIBP, SpO2, RESP, PR and dual channeled TEMP. These parameters are flexible and different combinations can be chosen as per requirements.

Features:

- The monitor has a 7 inch TFT color screen with 16:9 LCD display.
- Has various useful interfaces of standard, trend screen, OxyCRG screen, NIBP list, big font screen with central monitoring system
- Performs Real time S-T segment analysis and can detect pace-maker.
- Indicates incorrect manipulation and malfunction analysis.
- Has the feature of patient info input in the system.
- Feature of 96 hours of trend and graph recall, 400 groups of NIBP list and 60 alarm events records recall.
- Has a built-in rechargeable lithium battery with 5 hours of working capacity.

Applications:

Patient sign monitors are of immense use in operating and emergency rooms and intensive and critical care settings for monitoring the health condition of the patient.

Specifications:

Model No.		KPM-A200
ECG Specifications	Standard 3-lead or 5-lead	3-lead: RA,LA,LL; Lead method: I, II, III 5-lead: RA,LA,LL,RL,V; Lead method: I, II, III, aVR, aVL, aVF, V
	Gain	X250, X500, X1000, X2000
	HR measuring range	Adult: 15-300 bpm Paediatric/Neonatal: 15-350bpm
	HR accuracy	±1bpm or ±1%, whichever is greater
	HR resolution	1bpm
	Sensitivity	>200μVP-P
	Differential Input Impedance	>5Mohm
	Bandwidth	Diagnostic mode: 0.05-130Hz Monitoring mode: 0.5-40Hz, Operation mode: 1-20Hz
	CMRR	Diagnostic mode: >90dB Monitoring mode: >100dB, Operation mode: >100dB
	Electrode offset potential	±300mV
	Leakage current	<10μA
	Pacing pulse test	In accordance with following conditions: Range: ±2-±700mV Width: 0.1-2ms Rise time: 10-100μs
	Pacing pulse inhibition	When pacing analysis switch is on, pacing pulse in accordance with the following conditions are restrained, but affection against HR calculation: Range: ±2-±700mV Width: 0.1-2ms Rise time: 10-100μs
	Baseline recovery	<3s after defibrillation
	Signal range	±8mVP-P
	Calibrating signal	1mv (peak to peak value), Precision: ±5%
ST measuring volume	Measuring range	-2.0mV ~ +2.0mV
	Measuring precision	Ranging -0.8 mV ~ +0.8mV, measuring error is ±0.02mV or ±10%, the larger prevails. No definition for other ranges

RESP specifications	Measuring method	RA-LL Impedance
	RESP Impedance measuring range	0.3-3Ω
	Base Impedance range	200-4000Ω
	Bandwidth	0.1-2.5Hz
	RR measurement range	Adult: 0-120Brpm Paediatric and Neonatal: 0-150Brpm
	RR resolution	1Brpm
	RR precision	±2Brpm
	Asphyxia alarm	10-40 seconds
NIBP specifications	Measuring method	Pulse wave Oscillometry
	Work mode	Manual/Automatic/STAT
	Measuring Interval of Automatic Measuring Mode	1,2,3,4,5,10,15,30,60,90,120,180,240, 480 minute(s)
	Measuring Time of STAT Mode	5 minutes
PR Range		40 - 240 bpm
	Measuring Range	Adult Sys: 40~270mmHg Dia: 10~215mmHg Mean: 20~235mmHg Children Sys: 40~200mmHg Dia: 10~150mmHg Mean:20~165mmHg Neonatal baby Sys: 40~135mmHg Dia: 10~100mmHg Mean: 20~110mmHg
	Static Pressure Range	0~300mmHg
	Static Pressure Precision	±3mmHg
	Pressure precision	Max. average error: ±5mmHg Max. standard deviation: 8mmHg
	Over voltage protection	Adult mode: 300 mmHg, Children mode: 240 mmHg, Neonatal baby mode: 150 mmHg

SpO2 specification	Measuring range	0-100%
	Resolution	1%
	Precision	70~100%: ±2 DIGIT 0%~69%: no definition given
PR specification	Measuring range	20~300bpm
	Resolution	1bpm
	Precision	±3bpm
TEMP specification	Temperature sensor	YSI series, CYF series
	No. of channels	2 Channels
	Measuring range	0~50ºC
	Resolution	0.1ºC
	Precision	±0.1ºC(Excluding Sensor Error)

Optional Accessories:

Availability of features of EtCO2 and TEMP and thermal printer with this monitor is optional.

Multi-Parameter Patient Monitor KPM-A201

Patient monitors play an important role in detection of various unknown and life threatening diseases. With same principle Kizlon introduces multi parameter patient monitor KPM-A201. To understand patient condition in depth, real time patient info is needed, hence this monitor helps to give out all the information.

Features:

- It is multi-parameter Patient Monitor with 2ch ECG / SpO2 / NIBP / IBP / 2ch. Temp. / Resp.
- EtCO2 (option) displaying all the parameter through 10.4" TFT LCD display (7 parameters and 6 waveforms)
- This compact vital signs bedside/transport monitor operates with basic configuration fitted with Module 1 (3 or 5 lead ECG, RESP, SpO2, Temperature), PVC and ST level display detection, detection of 12 kinds of arrhythmia and central monitoring system
- The KPM-A100 is flexible and gives clinicians a set of both invasive and non-invasive measurements. Thus this concept makes it perfect for emergency departments and as well as specialist areas in the hospital
- Users can select from 4 modules and customize configurations to meet the demands of every clinical set up

Applications:

Vital sign monitor are extensively used for monitoring all the possible vital signs of a diseased patient. It can help in to keep the patient's health under surveillance.

Specifications:

Model No.	KPM-A201
Display	Ultrasound 10.4"color LCD
Battery operating time	3 hours
SpO_2	Measuring range:1-100% Pulse rate:20 ~ 200bpm
ECG	Leads:3/5 leads Sweep speed:12.5,25, 25mm/s
RESP	Resp:0 ~ 150 breaths/min Sweep speed:6.25,12.5,25mm/s
NIBP	Mode: auto/manual STAT Auto mode(min):1,3,5,10,30,60,90,120,240 Neonate/adult systolic: 30/50,130/255mmHg Neonate/adult diastolic:20/30, 100/220mmHg
Temperature	30-45°C
Options	Printer, IBP, $EtCO_2$
PC Interface	RS232C or LAN
External interface	VGA
Certificate	CE
Warranty	2years
Dimension	257(W) x 158(D) x 236(H)mm
Weight	3kg
Power	Input : AC 100 ~ 240V (50/60Hz) Rechargeable Battery: Li-ion(11.1VDC / 2,200mAh)

KIZLON

Kizlon Medical

(A division of Kizlon Ltd)

Sentinel House, Harvest Crescent, Ancells Business Park, Fleet Hampshire GU51 2UZ,UK

Email: info@kizlonmedical.com | Website: www.kizlonmedical.com