MEDICAL LINES

PATIENT MONITOR

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OUR SERVICES

Benefits and Support

In Kalstein France, we take care of the full satisfaction of our customers, that is why we provide value-added services of the highest level based on our experience.

Online Inductions and Trainings

In any part of the world, receive your induction or training from our specialized team of engineers

Quick Response

Our work team is always available to response all your consults or questions, in order to support you in any situation.

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Thanks to your purchase, a donation is made to a non-profit foundation that fights against cancer and helps vulnerable communities.

Technical Support

Enjoy of personalized advice for the correct preventive and corrective maintenance of your equipment, thanks to Kalstein's manuals and articles, special catalogues and video tutorials.

Delivery Logistics

We take care of all the necessary logistics for the dispatch of your goods, whether is by sea, land or.air.

Kalstein Worldwide

With more than 25 years growing with our customers, Kalstein's multiformat and modern content, is now present in more than 10 countries and increasing.

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Patient Monitor

Model YR02177

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Technical Specifications

ECG	
Input	3-Lead or 5-Lead selectable 3 Lead cable: RA;LA;LL or R;L;F 5 Lead cable: RA;LA;RL;LL;V or R;L;N;F;C
Lead selection	3-lead: I,II,III 5 Lead: I, II, III, AVR, AVL, AVF, V
ECG Waveform	2 channel
Gain selection	×0.25,×0.5,×1,×2,x4,Auto
Sweep speed	12.5mm/s, 25mm/s, 50mm/s
Heart Rate	for Neonate 15-350BPM
Heart Rate	for Adult/Pediatric 15-300BPM
Accuracy	1bpm or 1%, whichever is greater
Resolution	1bpm
Filter Diagnostic mode	0.05-100Hz
Monitor mode	0.5-40Hz
Surgical mode	1.0-25Hz
Protection	Withstand 4000VAC/50Hz Voltage in isolation Against electrosurgical interference and defibrillation
Alarm range	Neonate: 15-350BPM Adult/Pediatric: 15-300BPM
ST segment detection	Measurement range: -2.0mv to 2.0mv
Alarm range	-2.0mv to 2.0mv
Arrythmia analysis	Yes
Alarm	audible and visual alarm, alarm event recallable
Pace detection	Yes
Drug dose calculation	Yes
Standby mode	Yes
Respiration	
Method	Thoracic impedance
Measurement range	Neonate/Pediatric：0~150RPM Adult：0-120 RPM
Apnea alarm	No alarm,10s,15s,20s, 25s,30s,35s, 40s selectable
Alarm	Audible and visual alarm, alarm events recallable
NIBP	
Method	Oscillometric
Measurement modes	Manual/Automatic/Continuous
Displayed parameters	Systolic, diastolic and MAP (mean arterial pressure)
Auto measure time	Adjustable
Measurement unit	mmHg/kPa selectable
Measurement type	Systolic, Diastolic, Mean
Range of Systolic pressure	Adult：40-270mmHg Pediatric：40-200mmHg Neonate：40-135mmHg
Range of Diastolic pressure	Adult：10-210mmHg Pediatric：10-150mmHg Neonate：10-100mmHg
Range of Mean pressure	Adult：20-230mmHg Pediatric：20-165mmH Neonate：20-110mmHg
Accuracy	±6mmHg
Resolution	1mmHg
Alarm	Systolic, Diastolic, Mean
Over-pressure protection	Double safety protection
IBP	
Channel	1 or 2 selectable
Measurement range	-50~400mmHg
Resolution	1mmHg
Alarm	Systolic, Diastolic ,Mean
Masimo SpO_2 configurable	
Measurement range	0%~100%
Resolution	1%
Accuracy	±2%(70%-100%); unspecified(0-69%)
Alarm range	0~100%
Pulse Rate Range	20~254bpm
Resolution	1bpm
Accuracy	±3bpm
Alarm range	0~254bpm
Temperature	
Measurement range	0~50℃
Resolution	0.1℃
Accuracy	±0.1℃
Channel	T1、T2、TD

RESPIRONICS $EtCO_2$ configurable	
Measurement range	0-99mmHg
Accuracy	0 to 40mmHg ±2mmHg 41 to 76mmHg ± 5mmHg 77 to 99mmHg ±10mmHg
Sample flow rate Minimum	50ml/m-7.5ml/m
Maximum	50ml/m+15ml/m
Start-up time	<1min,once the module starts up, it reaches ISO After 1 min, enter the full accuracy mode
Respiration rate	0 to 120rpm
Respiration rate accuracy	±2 rpm
Response time	<240msec（10% to 90%）
Multi-gas	
Method	Infrared Absorption
Gas accuracy	CO_2: 0 to 15vol%, ±(0.2vol%+2% of reading) 15 to 25vol%, Unspecified N_2O: 0~100vol%, ±(2vol%+2% of reading) Enf, Iso, Hal: 0~8vol%, ±(0.15vol%+5% of reading) 8 to 25vol%, Unspecified Sev:0~10vol%, ±(0.15vol%+5% of reading) 10 to 25vol%, Unspecified Des:0~22 vol%, ±(0.15vol%+5% of reading) 22 to 25vol%, Unspecified
Data output	Fi and Etvalues
Respiration rate	0 to 150 ±1RPM
Other	Agent mixture detection, MAC value displayed
Interfacing	
Connectors	1 AC power connector 1 RJ45 network connector 2 USB 2.0 connector 1 VGA output connector 1 Multifunction output connector Nurse call ECG Analog output
Data Storage	
Trend date	168 hours
Alarm events	100 events
NIBP	1600 recall
Waveforms	Max. 4 hours.
Trend table/Trend graph	1000 hours.
Standard Configuration	ECG, SpO_2, NIBP, TEMP, PR/HR, RESP
Optional Functions	$EtCO_2$, 2IBP, Multi-gas, Recorder
Classification	
Safety Standard	IEC60601-approved
General Specifications	
Display	12.1" Color TFT LCD with LED background light 5-Wire touch panel is configurable 800*600 Resolution Multi displays selectable, including Standard display, Trend coexist display, Large-font display, OxyCRG dynamic view display, Night mode
Dimension	315(W)×272(H)×121(D)mm
Weight	4.3kg
Power Requirement	AC100-240V, 50/60Hz,140VA,1.4A-0.59A
Temperature	0℃～ 40℃
Humidity	15% ～ 80% (non-condensing)
Patient range	Neonate, pediatric and adult patient
Features	Very Thin and Portable design Ergonomically Handle Support two slots for parameter module
Trace	7 traces Sweep speed:12.5mm/s,25mm/s,50mm/s
Indicator	Alarm indicator light, Power indicator light Battery indicator light, QRS beep and alarm sound
Li-ion Battery	Rechargeable, More than 4 hours for continuous working
Alarm and Indicator	User-adjustable High, Medium, and Low limits 3-level audible and visual alarm Alarm indicator light Power indicator light Battery indicator light QRS beep and alarm sound Pulse rate modulation sound
Networking	Connected to central station system
Recorder	Thermal printer, Real time recording

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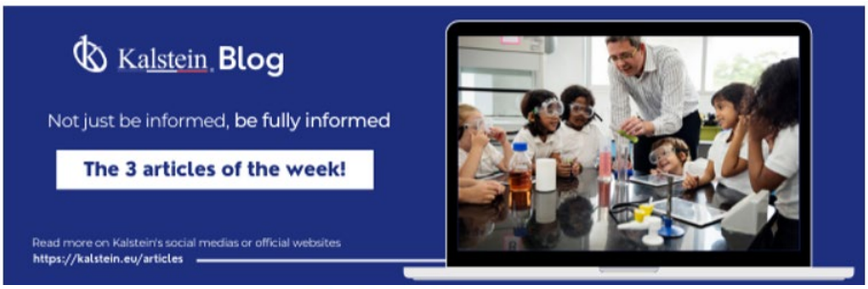

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