

VitaPia 7000K



- 12.1" High brightness TFT LCD display
- Portable & streamline handle design
- Big figure display
- ECG waveforms of 7-lead display in one screen
- 72 hours review trend
- 480 hours review trend with external memory
- Compatible and self-identify 3/5-lead ECG cable
- NIBP dual over pressure protection
- Isolated floating, anti-defibrillation protected and anti-high frequency interference
- Networking capacity with standard parameter and configuration
- Optional parameter & configuration : 2-IBP, 2-TEMP, Recorder, 12-lead ECG, EtCO2, Central Network S/W, Wireless Network, VGA, Touch LCD



Standard Screen



OxyCRG Screen



Alarm Recall Screen

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Multi-Parameter Patient Monitor VITAPIA7000K Technical Specifications

Classification				Method	Oscillometric
Anti-electroshock type	Class I equipment and internal powered equipment			Mode	Manual, Auto, STAT
EMC type	Class A			Measuring Interval in AUTO Mode	1, 2, 3, 4, 5, 10, 15, 30, 60, 90, 120, 180, 240, 480, 960 min
Anti-electroshock degree	ECG(RESP), SPO ₂ , NIBP, IBP, TEMP, CO ₂ CF			Measuring period in STAT Mode	5 min
Specifications				Alarm Type	SYS, DIA, MEAN
Size Monitor	310 X 140 X 263 mm			Measuring and alarm Range	
Weight Monitor	3.8 kg			Adult mode	· SYS : 40 ~ 270 mmHg · DIA : 10 ~ 215 mmHg · MEAN : 20 ~ 235 mmHg
Temperature	Working	5 ~ 40°C		Pediatric mode	· SYS : 40 ~ 200 mmHg · DIA : 10 ~ 150 mmHg · MEAN : 20 ~ 165 mmHg
	Transport/ Storage	-40 ~ +55°C		Neonatal mode	· SYS : 40 ~ 135 mmHg · DIA : 10 ~ 100 mmHg · MEAN : 20 ~ 110 mmHg
Humidity	Working	30% ~ 75%		Resolution	Pressure : 1 mmHg
	Transport/ Storage	≤95% (no coagulate)		Accuracy	· Pressure(Maximum Mean error) : ±5 mmHg · Pressure(Maximum Standard deviation) : ±8 mmHg
Altitude	Working	700hPa ~ 1060hPa		Overpressure protection	· Adult mode : 297±3 mmHg · Pediatric mode : 240±3 mmHg · Neonatal mode : 147±3 mmHg
	Transport/ Storage	-500hPa ~ 1060hPa		Measuring Range	0 ~ 100%
Power Supply	100~240 VAC, 50 / 60 Hz, Pmax = 150 VA, FUSE T1.6A			Alarm Range	0 ~ 100%
Display	Device	12.1 in. color TFT, 3 LED / 800 X 600 dots		Resolution	1%
	Touch LCD(Optional)	viewing angle (up :70° down:70° left:50° right:60° and the best angle is 60°)		Accuracy	· 70 ~ 100% ±2% · 0% ~ 69% unspecified
	Messages	· 8 Waveforms Maximum · 1 Alarm LED (Yellow/Red) · 1 Power LED (Green) · 1 Battery Charge LED (Yellow) · 3 Sound Mode corresponding Alarm Mode		Actualization interval	about 1 sec
Signal Interface	ECG Output	BNC		Alarm Delay	10 sec
	Amplitude	1 mV		Pulse Rate	· Measuring and Alarm Range : 0 ~ 250 bpm · Resolution : 1 bpm · Accuracy : ±2 bpm
	Accuracy	<5%		Channel	2
	Impedance	50 Ω		Measuring and Alarm Range	0 ~ 50°C
Battery	Signal Delay	<20 ms		Resolution	0.1°C
		· Rechargeable 3.7 A/Hr 7.4 V Li battery · Operating time under the normal use and full charge greater than 120 min. · Operating time after the first alarm of low battery will be about 5 min.		Accuracy	±0.2°C
Recorder (Option)	Record Width	48 mm		Actualization interval	about 1 sec
	Paper Speed	25 mm/s or 50 mm/s		Average Time Constant	<10 sec
	Trace	2		Channel	2
Recall	Trend Recall	· Short : 1 hrs, 1 second Resolution · Long : 72 hrs, 1 min Resolution		Label	ART, PA, CVP, RAP, LAP, ICP, P1, P2
	Alarm Event Recall	71 alarm events of all parameters and 8/16/32 seconds of corresponding waveform.		Measuring range	-10 ~ +300mmHg
	NIBP Measurement Recall	At least 400 NIBP measurement data		Alarm range	-50 ~ +350mmHg
	SD card	· 72hrs ECG waveform · 480hrs TREND review		Press Sensor	Sensitivity : 5 uV/V/mmHg Impedance : 300 ~ 3000 Ω
ECG	Lead mode	5 Leads (R, L, F, N, C or RA, LA, LL, RL, V)		Resolution	1 mmHg
	Lead selection	I, II, III, avR, avL, avF, V		Accuracy	±2% or 1 mmHg which great
	Waveform	2CH		Actualization Interval	about 1 sec
	Lead mode	3 Leads (R, L, F, or RA, LA, LL)		Method	Infra-red Absorption Technique
	Lead selection	I, II, III		Measuring mode	Mainstream and Sidestream
	Waveform	1ch		Side-stream mode sampling gas flow rate	50 ml/Min. ± 10 ml/Min.
	Gain	x2.5 mm/mV, x5.0 mm/mV, x10 mm/mV, x20 mm/mV		Measuring range	CO ₂ : 0 ~ 150 mmHg INSO ₂ : 0 ~ 150 mmHg AwRR : 2 ~ 150 rpm
	HR	· Measuring Range : 15~300 bpm · Alarm Range(ADU) : 15~300 bpm · Alarm Range(PED/NEO) : 15~350 bpm · Accuracy : ±1% or ±1 bpm, which great · Resolution : 1 bpm · Sensitivity : >200 uV P-P		Resolution	CO ₂ : 0.1 mmHg (0 ~ 69 mmHg), 0.25 mmHg (70 ~ 150 mmHg) INSO ₂ : 0.1 mmHg (0 ~ 69 mmHg), 0.25 mmHg (70 ~ 150 mmHg)
	Differential input impedance	>5 MΩ		Accuracy	CO ₂ : ±2 mmHg, 0 ~ 40 mmHg ±5% of reading, 41 ~ 70 mmHg ±8% of reading, 71 ~ 100 mmHg ±10% of reading, 101 ~ 150 mmHg AwRR : ±1 rpm
	CMRR	· Monitor : ≥ 100 dB · Operation : ≥ 100 dB · Diagnosis : ≥ 60 dB		Pace maker(Optional)	Available
	Electrode offset potential	±300 mV		Initialization Time	Mainstream : Capnogram displayed in less than 15 sec at an ambient temp. of 25°C, full specifications within 2 min Sidestream : Capnogram displayed in less than 20 sec at an ambient Temp. of 25°C, full specifications within 2 min Mainstream Rise Time : Less than 60ms-Adult Reusable or Single-Patient-Use Airway Adapter Less than 60ms-Infant Reusable or Single-Patient-Use Airway Adapter
	Leakage Current	<10 uA		Actualization interval	about 1 sec
	Baseline Recovery	<5s After Def.		Sidestream Delay Time	2 ~ 3 sec
	ECG Signal Range	±8 mV (Vp-p)		Alarm range	CO ₂ : 0 ~ 150 mmHg InsCO ₂ : 0 ~ 150 mmHg AwRR : 2 ~ 150 rpm
	Bandwidth	· Surgery : 1 ~ 20 Hz (+0.4 dB, -3 dB) · Monitor : 0.5 Hz ~ 40 Hz (+0.4 dB, -3 dB) · Diagnostic : 0.05 Hz ~ 75 Hz (+0.4 dB, -3 dB), 76 Hz ~ 150 Hz (+0.4 dB, -4.5 dB)		Suffocation Alarm Delay	AwRR : 10 ~ 60 sec
Calibration Signal	1 mV (Vp-p), ±5% Accuracy				
ST Segment	Measure Range : -0.6 ~ +0.8 mV				
Monitoring Range	Alarm Range : -2.0 ~ +2.0 mV				
ARR Detecting	Type	ASYSTOLE, VFIB/VTAC, COUPLE, BIGEMINY, TRIGEMINY, R ON T, VT>2, PVC, TACHY, BRADY, MISSED BEATS, PNP, PNC			
	Alarm	Available			
	Review	Available			
RESPIRATION	Method	Impedance between R-F (RA-LL)			
	Differential Input Impedance	> 2.5 MΩ			
	Measuring Impedance Range	0.3 ~ 5.0Ω			
	Base line Impedance Range	0.1 ~ 2.5 KΩ			
	Bandwidth	0.3 ~ 2.5 Hz			
	Resp. Rate	· Measuring Range : 0 ~ 120 rpm · Alarm Range(PED/NEO) : 0~150rpm · Accuracy : ±2 rpm · Alarm Range(ADU) : 0~120rpm · Resolution : 1 rpm			
Apnea Alarm	10 ~ 40 S				

* Contents and specification subjects change without notice

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