

Classification		
Anti-electrochock type		Class lequipment and internal powered equipment
EMC type		Class A
Anti-electroshock degree		ECG(RESP), SPO2, NIBP, IBP, TEMP, CO2, CF

Specifications

Size Monitor		310 X 140 X 263 mm	
Weight Monitor		3.8kg	
Temperature	Working	5 ~ 40°C	
	Transport / Storage	-40 ~ +55°C	
Humidity	Working	30% ~ 75%	
	Transport / Storage	≤ 95% (no coagulate)	
Altitude	Working	700hPa ~ 1060hPa	
	Transport / Storage	-500hPa ~ 1060hPa	
Power Supply		100 ~ 240 VAC, 50/60Hz, Pmax = 150VA, FUSE T1.6A	
Display	Device	12.1 in. color TRT, 3 LED / 800 X 600 dots	
	Touch LCD(Optional)	viewing angle (up : 70°, down : 70°, Left : 50°, Right : 60° and the best angle is 60°)	
	Messages	- 8 Wave form Maximum - 1 Power LED (Green) - 3 Song Mode corresponding Alarm Mode	- 1 Alarm LED (Yellow / Red) - 1 Battery Charge LED (Yellow)
Signal Interface	ECG Output	BNC	
	Amplitude	1 mV	
	Accuracy	< 5%	
	Impedance	50Ω	
	Signal Delay	< 20ms	

Battery	<ul style="list-style-type: none"> - 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. 		
ECG	Trend Recall	<ul style="list-style-type: none"> - Short : 1hrs, 1 second Resolution - Long : 72hrs, 1 min Resolution 	
	Alarm Event Recall	71 alarm events of all parameters and 8/16/32 seconds of corresponding waveform.	
	NIBP Measurement Recall	At least 400 NIBP measurement data	
	SD card	- 72 hrs ECG waveform	- 480 hrs TREND review
	Lead mode	5 Leads (R, L, F, N, C or RA, LA, LL, RL, V)	
	Lead selection	I, II, III	
	Waveform	2CH	
	Lead mode	3 Leads (R, L, F or RA, LA, LL)	
	Lead selection	I, II, III	
	Waveform	1ch	
	Gain	x 2.5mm / mV, x5.0mm/mV, x10mm/mV, x20mm/mV	
	HR	<ul style="list-style-type: none"> - Measuring Range : 15 ~ 300 bpm - Alarm Range(PED/NEO) : 15~350bpm - Resolution : 1bpm 	<ul style="list-style-type: none"> - Alarm Range(ADU) : 15~300bpm - Accuracy : ±1% or ±1bpm, which great - Sensitivity : >200uV P-P
	Differential input Impedance	>5MΩ	
	CMRR	<ul style="list-style-type: none"> - Monitor : ≥100dB - Operation : ≥100dB - Diagnosis : ≥60dB 	
	Electrode offset potential	±300mV	
Leakage Current	<10uA		
Baseline Recovery	<5s After Defi		
ECG Signal Range	±8mV(Vp-p)		

Bandwidth	- Surgery : 1 ~ 20Hz (+0.4dB, -3dB) - Monitor : 0.5Hz ~ 40Hz (+0.4dB, -3dB) - Diagnostic : 0.05Hz~75Hz (+0.4dB, -3dB), 76Hz~150Hz(+0.4dB, -4.5dB)
Calibration Signal	1mV(Vp-p), ±5% Accuracy
ST Segment	Measure Range : -0.6 ~ +0.8mV
Monitoring Range	Alarm Range : -2.0 ~ + 2.0mV
ARR Detecting	Type : ASYSTOLE, VFIB/VTC, COUPLET, 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	>2.5MΩ		
	Measuring Impedance Range	0.3 ~ 5.0Ω		
	Base line Impedance Range	0.1 ~ 2.5KΩ		
	Bandwidth	0.3 ~ 2.5Hz		
	Resp. Rate	- Measuring Range : 0 ~ 120rpm - Alarm Range(PED/NEO) : 0 ~ 150 rpm - Accuracy : ±2rpm	- Alarm Page(ADU) : 0 ~ 120rpm - Resolution : 1rpm	
	Apnea Alarm	10 ~ 40S		

Oscillometric	
Mode	Manual, Auto, STAT
Measuring Interval in AUTO Mode	1, 2, 3, 4, 5, 10, 15, 30, 60, 90, 120, 180, 240, 480, 960 min
Measuring Interval in STAT Mode	5min

NIEP	Alarm Type	SYS, DIA, MEAN
	Measuring and alarm Range	
	Adult mode	- SYS : 40 ~ 270mmHg - DIA : 10 ~ 215mmHg - MEAN : 20 ~ 235mmHg
	Pediatric mode	- SYS : 40 ~ 200mmHg - DIA : 10 ~ 150mmHg - MEAN : 20 ~ 165mmHg
	Neonatal mode	- SYS : 40 ~ 135mmHg - DIA : 10 ~ 100mmHg - MEAN : 20 ~ 110mmHg
	Resolution	Pressure : 1mmHg
	Accuracy	- Pressure(Maximum Mean error) : ± 5 mmHg - Pressure(Maximum Standard deviation) : ± 8 mmHg
	Overpressure protection	- Adult mode : 297 ± 3 mmHg - Pediatric mode : 240 ± 3 mmHg - Neonatal mode : 147 ± 3 mmHg
SpO2	Measuring Range	0 ~ 100%
	Alarm Range	0 ~ 100%
	Resolution	1%
	Accuracy	- 70 ~ 100% $\pm 2\%$ - 0 ~ 69% unspecified
	Alarm Delay	about 1sec
	Actualization interval	10sec
	Pulse Rate	- Measuring and Range : 0 ~ 250bpm - Resolution : 1bpm - Accuracy : ± 2 bpm

TEMPERATURE	Channel	2
	Measuring and Alarm Range	0 ~ 50°C
	Resolution	0.1°C
	Accuracy	±0.2°C
	Actualization interval	about 1sec
	Average Time Constant	<10sec
IBP (Option)	Channel	2
	Label	ART, PA, CVP, RAP, ICP, P1, P2
	Measuring range	-10 ~ +300mmHg
	Alarm range	-50 ~ +350mmHg
	Press Sensor	- Sensitivity : 5uV/V/mmHg - Impedance : 300 ~ 3000Ω
	Resolution	1mmHg
	Accracy	±2% or 1mmHg which great
	Actualization Interval	about 1sec
	Method	Infra-red Absorption Technique
	Measuring mode	Mainstream and Sidestream
	Side-stream mode sampling pas flow rate	50ml/Min. ± 10ml/Min.
	Measuring range	CO ₂ : 0 ~ 150 mmHg INSCO ₂ : 0 ~ 150 mmHg AwRR : 2 ~ 150 rpm

CO₂
(Option)

Resolution	CO ₂ : 0.1mmHg (0 ~ 69mmHg), 0.25mmHg (70 ~ 150mmHg) INSCO ₂ : 0.1mmHg (0 ~ 69mmHg), 0.25mmHg (70 ~ 150mmHg)
Accuracy	- CO ₂ : ±2mmHg, 0 ~ 40mmHg ±5% of reading, 41 ~ 70mmHg ±8% of reading, 71 ~ 100mmHg ±10% of reading, 101 ~ 150mmHg - AqRR : ±1rpm
Pace maker (Option)	Availalbe
Initialization Time	- Mainstrea : Capnogram displayed in less than 15sec at an ambient Temp. of 25 °C, full sepcification within 2 min - Sidestrea : Capnogram displayed in less than 20sec at an ambient Temp. of 25°C, full sepcification within 2 min - Mainstream Rise Time : Less then 60ms-Adult Reusable or Single-Patient Use Airway Adaptor
Sidestream Delay Time	about 1sec
Alarm range	2 ~ 3sec
Suffocation Alarm Delay	CO ₂ : 0 ~ 150mmHg

※Contents and specification subjects change without notice