X5 Modular Patient Monitor Specifications:

Physical Specification

Dimensions: PMS8300-S/PMS8310-S 335(W)x270(H)x200(D)mm PMS8500-S 378(W)x332(H)x243(D)mm Net weight: PMS8300-S/PMS8310-S 3.5KG (without battery and accessoris) PMS8500-S 5KG (without battery and accessoris) PMS8300-S 10.4 inch LCD PMS8310-S 12.1 inch LCD PMS8500-S 15inch LCD

Power Supply External power: 100-240V 50/60Hz Internal battery: Rechargeable Li-ion 2200mAh 11.1V DC Battery working period: ≥2hours(2200mAh)

(Touch screen optional)

Recorder*

Plug & Play type Print out parameters and 3 selectable waveforms Paper width: 50mm Print Mode: Real-time, alarm, scheduled, freeze, review

Print Speed: 12.5mm/s, 25mm/s, 50mm/s

Wave amplitude: 5mm/mv, 10mm/mv, 20mm/mv

Data Storage

Graphic and Tabular Storage and Review: 168hours NIBP Record Storage and Review: 4000sets

NIBP

Method: Oscillometric Mode: Manual, Auto Measuring interval in auto mode: 1-480 minutes Pulse Rate Range: 30-240bpm Measuring range: Adult Mode SYS 40-255mmHg

10-195mmHg DIA MEAN 20-215mmHg Pediatric Mode

40-200mmHg SYS DIA 10-150mmHg MEAN 20-165mmHg

Neonatal Mode

40-135mmHg SYS 10-110mmHa MEAN 20-125mmHg

Resolution: 1mmHg Precision:

Max average error: ±5mmHg Max standard error: 8mmHg Overpressure Protection: Adult 290mmHg 290mmHg Child Newborn 150mmHg

Leads: 3/5/12* leads, AHA/IEC Channels: 7 synchronization channels

(I II III aVR,aVL,aVF,V) Plus: 5mm/mV±5%, 10mm/mV±5%

Sweep rate: 12.5mm/s, 25mm/s, 50mm/s

Range of heart rate monitoring: Adult: 20-300bpm Neonate/Pediatric: 20-350bpm

NIBP(Suntech)*

Method: Oscillometric Mode: Manual, Auto, Continuous

Measuring interval in auto mode: 5-480mins 15 options

Pulse Rate Range: 40-220bpm Measuring range: Adult Mode:

SYS 40-260mmHg DIA

20-200mmHg Pediatric Mode: 40-160mmHa SYS

20-120mmHg DIA

Resolution: 1mmHg Precision:

Pulse Rate Accuracy: ±2%or±3BPM, whichever is

Transducer Accuracy: ±3mmHg over full range in

operating conditions Overpressure Protection: Yes

Measuring range: 0-100% Resolution: 1% Precision: Adult/Pediatric: 70%-100% ±2% Neonatal: 70%-100% ±3% Pulse Rate: Measuring Range: 30-240bpm Resolution: 1bpm

RESP

Method:

ECG leads)

Resolution:

Alarm:

±2rpm or ±2%

Temperature

Sample Rate:

Resolution:

Accuracy

readings)

Accuracy:

Measuring Range:

CO2: 1mmHg

AwRR: 1brpm

CO2: 0-99 mmHa

AwRR: 0-150brpm

CO2: ±(2mmHg +2% of

AwRR:±1brpm(0-70brpm)

(Masimo Mainstream or Sidestream)

CO2 Range (IRMA): 0-99 mmHg

 \pm (0.2 vol% +2% of reading)

Adaptive threshold minimum

Respiratory Rate: 0-150 bpm 1bpm

Rise Time: RMA CO2 < 90 ms

System Response Time:

IRMA CO2 < 1 sec

1vol% CO2 change

ISA CO2 < 3sec

Breath Detect:

±2brpm(71-120brpm)

±3brpm(121-150brpm)

Method: Thermal

Channel 2

Audio and visual

Alarm event re-callable

Measuring and Alarm Range:

0-50 °C Resolution: 0.1°C

Accuracy: ±0.2°C(25-45°C)

±0.3°C(0~25°C 45~50°C)

Average Time Constant: < 10second

(BLMED Mainstream or Sidestream)

50±10ml/min (Sidestream)

The thorax

impedance method(used with

PR Measurement Range: 15-120rpm

Precision: The bigger one between

Accuracy: the bigger one between ±3% or ±3bpm

SpO2(Masimo)* Measuring range: 0-100% Resolution:

Precision:

Adult/Pediatric: 70%-100% ±2% Neonatal: 70%-100% ±3%

Pulse Rate:

Measuring Range: 30-240bpm Resolution: 1bpm

Accuracy: the bigger one between ±3% or ±3bpm

Channel: 2 or 4 Channels Measuring range:

ART 0~300mmHa PA -6~120 mmHa CVP -10~40 mmHg RAP -10~40 mmHg -10~40 mmHg LAP ICP -10~40 mmHg

Pressure resolution: 1 mmHg Pressure precision: ±2% or ±2mmHg

Anesthesia Gas /O2*

Technology:

Infra-red absorption characteristic Paramagnetic Oxygen: Optional CO, O2, NO, Des,

Iso, Enf, Hal, Sev Warm-up time accuracy mode: 45s Full accuracy mode: 60s Sample flow rate: 50±10ml/min

CO2: 0~15% N2O: 1~100%

Hal/Iso/Enf:0~8%

Measuring range:

Sev: 0~10% Des:0~22%

O2:0~100% Respiratory Rate: 0~150 bmp 1bpm MAC Value displayed

Network Connection

LAN Ethernet / WLAN / WIFI* / Telephony CDMA / GPRS*

I/O interface SD card socket

Product	Model	Configration
Patient Monitor X5	PMS8300-S	10.4 inch LCD with modular
	PMS8310-S	12.1 inch LCD with modular
Patient Monitor X5	PMS8500-S	15 inch LCD with modular

Remark: The items marked by "*" are optional.

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