

Multi-Parameter Patient Monitor

MPI300 offers colorful & practical user interface
MPI300 meets ideal needs for touch screen

MP1300

ECG, SpO₂, NIBP, 4-IBP, 2-TEMP, RESP, EtCO₂, Multi-Gas, Cardiac Output

Full Arrhythmia analysis and ST segment analysis

Oxy-CRG for management of neonate intensive care patients

12.1" Touch screen TFT color LCD

8 waveform display

Virtual screen system for various viewing

168 hours graphic trend

Selectable color configuration for all parameters

Bed to Bed network

Save up to 30 event management



SPECIFICATIONS

Display

Display	12.1" Color TFT LCD
Resolution	800 × 600 SVGA
Trace line	8 waveform

ECG

Channel	3 channels
3 leadwire	I, II, III
5 leadwire	I, II, III, aVR, aVL, aVF, C
Gain	2.5, 5, 10, 15, 20 mm/mV
Heart rate	20 ~ 300bpm, ±2%
Input signal range	±0.5mV ~ ±5mV
Defibrillator Protection	300Joules delivered at 5000Volts
Artifact recovery time	<8s
Pacemaker pulse	Detection/Rejection
ST segment analysis, Arrhythmia analysis	
HRV measurement	

Respiration

Method	Impedance for ECG Lead(selectable)
Respiration rate	2 ~ 150 bpm
Accuracy	±1bpm
Impedance range	100 ~ 2000 ohms
Detect sensitivity	0.5 ohm min

SpO2

Range	0 ~ 100%
Pulse Rate	25 ~ 250 bpm
Mode Selection	Adult, Neonate, Auto mode
Accuracy	Adult ±2%. for readings 70~100% ±3%. for readings 51~69% Neonate ±3%. for readings 51~100% Unspecified 0~50%
Perfusion Index	0.05~20%
PWV measurement	

Non-invasive blood pressure

Measurement technique	Oscillometric
Measurement range	0~300 mmHg
Display parameters	Systolic, Diastolic, Mean Last 3 measurement
Auto deflation pressure	Adult 300 mmHg / Neonate 150 mmHg
STAT Mode	5~15 min. of consecutive
Measurement time	Max. 40 sec.

Invasive blood pressure (4-channel : Optional)

Number of channel	Max. 4-channels
Measurement range	-50~300mmHg
Label	ART, FEM, PA, CVP, LA, RA, ICP, SP
Sensor	5μV/mmHg
Accuracy	±2%
Biasing and Scaling	Automatic for BP signal display

Temperature (2-channel : Optional)

Sensor	YSI 400 series compatible
Resolution	0.2°C
Measurement range	0~50°C
Accuracy	±0.2°C (15~33°C, 42~45°C) ±0.1°C (34~41°C)

EtCO2, Mainstream or Side stream (Optional)

Measurement range	0-99 mmHg
Respiration range	0~150 bpm
Accuracy	±2 mmHg, 0~38 mmHg ±5%, 39~99 mmHg
Sampling rate	50ml/min
Respiration rate range	0 ~ 150 bpm

Cardiac Output (Optional)

Method	Thermodilution
Cardiac Output range	0.1~20 LPM
Parameters	CI, SV, SI, LVSW, LVSWI, RVSW, RVSWI, SVR, SVRI, PVR, PVRI
Blood temp. range	23 ~ 43°C
Injection temp. range	0 ~ 30°C

Multi Gas (Optional)

Parameters	CO2, O2, N2O
Anesthetic Agent	Halothane, Enflurane, Isoflurane, Desflurane, Sevoflurane

Display parameter

Heart rate and alarm limit	
SpO2 percentage and alarm limit	
Blood pressure (NIBP, IBP)	
Respiration	
Temperature	
168 hours graphic trend of vital sign, value and time	
Name, Bed ID, Date & time and menu information	
Event management(save up to 30 event memory capacity)	

Alarm

Alarm On/Off	All parameters on/off selective independently
Alarm silence	30 sec.

Power

Input Voltage	AC : 100 ~ 240 VAC, 50/60 Hz
Internal Battery	DC : 10.8 V, 8.8Ah
Operating time	Max. 3 hours
Power consumption	Max. 75W

Dimensions / Weight

Dimensions	W320 x D315 x H190cm
Weight	6.5 kg (without printer)

Environmental

Operating temperature	10 ~ 40°C(50 ~ 104°F)
Storage temperature	-20 ~ 70°C(-4 ~ 158°F)
Relative humidity	10 ~ 90% (operating) 0 ~ 95%(storage)

Input and Output communication

RS-232	Baud rate 115,200bps STD I/O communication port
VGA	Signal output
HL7	Support

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