

Specifications

Model : MP800

1. Features and Short form Specifications

MP800 is compact patient monitoring system with basic useful functions in hospital. This System have 7" display and user interface by encoder with internal vital sign functions. MP800 have semi-modular type vital module, It easy to maintenance.		
Display Monitor		7" Color TFT LCD Screen & Encoder, 2 Waves
Functions		ECG, Resp, SpO ₂ , NIBP, Temp and optional thermal printer
		Virtual Screen. Graphic Trend
Optional	Thermal Printer	58 mm thermal 3wave
	Cart	Cart for MP800

2. Detail Specification

<input type="checkbox"/> Display Data	
Parameters	Setting parameters, Patient status parameters, Alarm status
Graphic waveform	ECG (I, II, III, aVR, aVL, aVF, V), SpO ₂ , RESP
Trend	72 hrs Graphic trend of Vital signs
<input type="checkbox"/> Vital Sign Functions (Setting / performance)	
[ECG]	
Electrode	3 ~ 5 electrodes
Lead	I, II, III, aVR, aVL, aVF, V (7 Lead)
Input signal range	~ ±5 mV / Dynamic Range : 10 mV
Heart rate	0, 20 ~ 300 BPM ±2 %
Gain	2.5 / 5 / 10 / 15 mm/mV
Speed	6.3 / 12.5 / 25 / 50 mm/sec
QRS Detection	Auto / Manual (-1.0 ~ 1.0 mV)
Filters	0.5 ~ 40 / 0.5 ~ 80 / 0.05 ~ 40 / 0.05 ~ 80 Hz / HNR Filter / Monitoring
Pacemaker Detection Mode	User selectable
ST segment	-0.99 ~ 0.99 mV, J + 0 / J + 30 / J + 40 / J + 50 / J + 60 / J + 80 ms
Arrhythmias	Arrhythmia (15 Types)
[Respiration]	
Method	Impedance Lead I or Lead II / 500 Ω ~ 2 kΩ Bias Impedance
Filter	Monitoring / Diagnostic
PR Average	Auto / Instant / Fast / Normal / Accurate
RR	0, 2 ~ 150 BPM ±1 BPM / 2%
Sensitivity	30 ~ 90 %
Gain	x1 / x2 / x3
Speed	3.1 / 6.3 / 12.5 / 25 mm/sec
[SpO₂]	
Range	0 ~ 100 %
Accuracy	Adult: ±2 %p for readings 100 ~ 70 %, ±3 %p for readings 69 ~ 51 % / Neonate: ±3 %p for readings 51 ~ 100 % / Unspecified : 50 ~ 0 %
Pulse Rate	Range : 0, 20 ~ 250 BPM ±2 BPM
Sensitivity	Normal / Maximum
Gain	x1 / x2 / x3
Speed	6.3 / 12.5 / 25 mm/sec
Perfusion Index	0.05 ~ 20 %
Color Tone beep	The color of Beep sound is changed according SpO ₂ range.
[NIBP]	
Measurement technique	Oscillometric
Max Cuff Pressure	Adult : 300 mmHg / Neonate : 150 mmHg
Measurement range	Systolic(Adult, Pediatric) : 35 ~ 270 mmHg (4.6 ~ 36 kPa) Diastolic(Adult, Pediatric) : 15 ~ 245 mmHg (2 ~ 32 kPa) Mean(Adult, Pediatric) : 20 ~ 255 mmHg (2.5 ~ 34 kPa) Systolic(Neonate) : 30 ~ 130 mmHg (4 ~ 17 kPa) Diastolic(Neonate) : 10 ~ 100 mmHg (1.5 ~ 13 kPa) Mean(Neonate) : 30 ~ 120 mmHg (2.5 ~ 16 kPa)
Pulse Rate	40 ~ 250 BPM ±2 BPM
Automatic measurement	OFF, 1 min ~ 8 hrs
STAT Mode Duration	5 ~ 15 min of consecutive

Patient Type	Adult / Pediatric / Neonate		
Sensitivity	Normal / Maximum		
Init. Pressure	Auto / Adult : 100 ~ 250 mmHg / Pediatric : 100 ~180 mmHg / Neonate : 100 ~ 140 mmHg		
BP Unit Selection	mmHg / KPa		
[Temperature]			
Sensor	YSI 400 series compatible		
Measurement range	15 ~ 50 °C		
Accuracy	±0.2 °C (34 ~ 41 °C) / ±0.4 °C (15 ~ 33.9 °C, 41.1 ~ 45 °C)		
<input type="checkbox"/> Wireless Wi-Fi			
Model	WFM50-SFC201		
	Compliant with IEEE 802.11 b/g and 802.11n		
Supported band	2.4 GHz		
	Max throughput up to 72 Mbps		
	Certificated by KC, TELEC, FCC, CE, IC		
Manufacturer	LTA Co., Ltd		
<input type="checkbox"/> Alarm			
[ECG]			
Heart Rate High / Low	OFF / 31 ~ 300 BPM, OFF / 30 ~ 295 BPM		
Arrhythmia Detection	User selectable		
ST Level High	OFF / -0.85 ~ 0.90 mV		
ST Level Low	OFF / -0.90 ~ 0.85 mV		
[Respiration]			
RESP High / Low	OFF / 3 ~ 150 BPM, OFF / 2 ~ 145 BPM		
Apnea time	OFF / 10 ~ 120 sec		
[SpO₂]			
SpO ₂ High / Low	OFF / 51 ~ 100 %, OFF / 50 ~ 99 %		
[NIBP]			
NBP SYS High / Low	OFF / 35 ~ 300 mmHg , OFF / 30 ~ 295 mmHg		
NBP DIAS High / Low	OFF / 35 ~ 300 mmHg, OFF / 30 ~ 295 mmHg		
NBP MEAN High / Low	OFF / 35 ~ 300 mmHg, OFF / 30 ~ 295 mmHg		
[Temperature]			
Temp High / Low	OFF / 11.0 ~ 50.0 °C, OFF / 10.0 ~ 49.0 °C		
<input type="checkbox"/> Set Up			
Sound Adjust	Alarm Volume	Vol.2 ~ Vol.Max	
	Beep Volume	OFF, Vol.3 ~ Vol.Max	
Line Frequency selection	OFF / 60 Hz / 50 Hz		
Printer paper length	60 ~ 300 mm		
Back Light Control	20%, 50%, 80%, 100%		
Trend Print Method	Wave+Trend / Trend		
Alarm Sync Print	ON / OFF		
<input type="checkbox"/> Keys, Indicator			
Hot Keys	Change screen, Alarm pause 2 min, NBP start / stop, Printing, Freeze		
Indicator	3 Status Alarm LED , AC / Batt LED		
<input type="checkbox"/> Electrical			
Power Source	Input : 100-240 VAC, 50-60 Hz, 1.5 A		
(Adpator)	Output : 15 VDC, 3.36 A		
Power Consumption	Max 90 VA		
Battery	Li-ion Battery 10.89 VDC, 5200mAh		
	Operation Time	5 hrs (Std)	
<input type="checkbox"/> Communication / Output			
RS232	COM1	115200 bps for S/W Upgrade & CMS	
<input type="checkbox"/> Physical			
Weight	2.2 kg without Printer		
Dimensions	W200 x H198 x D135 mm		
<input type="checkbox"/> Environmental			
Storage	Temperature	-20 ~ 70 °C	
	Relative humidity	0 ~ 95 %, non-condensing	
Operating	Temperature	10 ~ 40 °C	
	Relative humidity	10 ~ 90 %, non-condensing	
	A. Pressure(Altitude)	700 ~ 1060 hPa (~ 2000 m)	

☐ Language

Korean / English / Spanish

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