



# PATIENT MONITOR S10

## Technical Specifications

### ECG

Lead Mode: 3 leads (R,L,F or RA, LA, LL)  
5 Leads (RA, LA, LL, RL,V or R,L,F,N,C)  
4 selectable gain: x 0.25, x 0.5, x1, x 2 cm/mV,  
Detection leads 7 selectable: I, II, III, avR, avL,avF, V

### CMRR:

Diagnosis >100 dB (no 50Hz/60Hz software wave trap)  
Monitor >110 dB (has 50Hz/60Hz software wave trap)  
Surgery >100dB (has 50Hz/60Hz software wave trap)

### HR Measuring and Alarm Range:

Adult/Ped 15 bpm-300bpm  
Neo 15bpm-350bpm  
Accuracy ±1% or ±1bpm, which is greater  
Resolution 1 bpm  
Sensitivity > 200 µV P-P  
Differential Input Impedance 5M  
Electrode offset potential: ± 300mVd.c ± 600mVd.c.  
Leakage Current: <10 uA

### ST Segment Detection :

Measurement and Alarm range : - 2 - +2 mV

### RESPIRATION

Method: Impedance between R-F (RA-LL) R-L (RA-LA)

### R.R Measurement and Alarm Range:

Adult 0 rpm -120 rpm  
Neo/Ped 0 rpm - 150 rpm  
Resolution 1 rpm  
Accuracy ±2 rpm  
Gain Selection x0.25,x0.5,x1,x2,x3,x4,x5

### NIBP

Method Oscillometric  
Mode Manual, Auto, Continuous  
Measuring rang: 10-270mmHg  
Cuff Pressure measuring Range 0-290mmHg  
Pressure Resolution: 1mmHg

### Pressure Accuracy:

Mean error ±5mmHg  
Maximum Standard deviation: 8mmHg

### Overpressure protection (Dual protection)

Adult 297±3mmHg  
Pediatric 240±3mmHg  
Neonatal 145±3mmHg

### PR

Measuring range: 40-240bpm  
Resolution 1bpm  
Accuracy ±3bpm or 3.5% the maximum

### SPO<sub>2</sub>

Measuring range 0-100%  
Resolution 0-100%  
Resolution 1%  
**Accuracy:**  
Adult (including Pediatric) ±2(70%-100% Spo2)  
Undefined (0-70% Spo2)  
Neonate ±3(70%-100% Spo2)  
Undefined (0-70% Spo2)

### Pulse Rate:

Measuring and Alarm Range: 30-254bpm  
Resolution 1bpm  
Accuracy ±3bpm  
Under Motional Condition: ±5bpm

### TEMPERATURE

Channel 2  
Measuring range 0-50°C  
Sensor type YSI (B series) and CF-FI  
Resolution 0.1°C  
Accuracy ±0.1°C (25 - 45°C)  
±0.2°C (0-25°C, 45-50°C)

### IBP (OPTIONAL)

Channel 2  
Label ART, PA, CVP, RAP, LAP, ICP, P1, P2  
Static Pressure Measuring Range: up to 350 mmHg  
Static Pressure Accuracy: ±2% /1mmHg which is great  
Dynamical Pressure Measuring Range: up to 350 mmHg  
Dynamical Pressure Accuracy: ±2% /1mmHg which is great

### Measuring and alarm range:

ART 0 - 300 mmHg  
PA 6 - 120 mmHg  
CVP/RAP/LAP/ICP -10 - 40 mmHg  
P1/P2 -50 - 300 mmHg  
Resolution 1 mmHg

### OPERATION ENVIRONMENTS

Temperature: 5 - 40 ° C

Humidity :

Power

### RECORDER

Built - in thermal printer  
Print speed: 25mm/s 50mm/s  
3 traces, paper width: 48mm

### CO<sub>2</sub> (OPTIONAL)

Method Infrared Absorption Technique  
**Measuring range:**  
Co2 0-150mmHg  
AwRR 2-150 rpm  
Resolution 1mmHg,0.1%, 0.1Kpa  
Co2 1mmHg  
INSCO2 1mmHg  
AwRR 1 rpm  
**Accuracy:**  
Co2 ±2mmHg 0-40mmHg  
Reading ±5%, 41-70mmHg  
Reading ±8%, 71-100mmHg  
Reading ±10%, 101-150mmHg

AwRR ±1rpm  
**Suffocation alarm delay**  
AwRR 10-40seconds  
Response time <3 sec. includes transport time, risetime

Calculation method BTPS (Body temp. pressure saturated)

Sample gas flowrate 50ml/min.

### Stability

Short term Drift Drift over 4 hours <0.8mmHg  
Long term drift 120 hours period

### O<sub>2</sub> Compensation

Range 0-100%  
Resolution 1%  
Default 16%

### PERFORMANCE SPECIFICATIONS

Display: 10.1 Resolution 800X480 dots  
Waveforms: 9 waveforms maximum  
Indicator: Alarm indicator, Power indicator  
Charging indicator,  
QRS beep and alarm sound  
Interface: Network port  
Recall: 1-96 hours trend recall  
Alarm: 3-level audible and visual alarm  
SAFETY  
IEC60601-1 approved marking according to MDD93/42/EEC

### DIMENSION AND WEIGHT

Dimension: 320mm(W)x150mm(D)x265mm(H)  
Weight: 3.8Kg

### POWER SUPPLY

External power supply: (condensing)  
100-240V AC, 50/60HZ  
Internal Battery power supply  
Type: Rechargeable Li-ion  
Voltage: 14.8 V DC  
Battery backup: up to 4.5 hours  
Recharge time <360 minutes

# PATIENT MONITOR

## Model: S10

*For Critical Care*



*Multi-Parameter*



Local Contact



Mkt'd. by:  
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