

# Patient Monitor Technical Specification

\* Option \*\* Option (BT-720)

Model		BT-770	BT-750	
Category		Patient Monitor	Patient Monitor	
Display		12.1" Color Touch LCD	10.4" Color LCD	
ECG	Lead Type	5 lead	3/5 lead	
	Gain Selection	x0.125, x0.25, x0.5, x1, x2, auto	5, 10, 20mm/mV	
	Sweep Speed (mm/s)	12.5, 25, 50	12.5, 25, 50	
	Bandwidth : Diagnostic Mode	0.05-130 Hz		
	Monitoring Mode	0.5-40 Hz		
	Surgery Mode	1-25 Hz		
	Strong Mode	5-20 Hz		
Hert Rate Range (bpm)		Adult : 15-300 Pediatric/Neonate: 15-350	Adult : 20 - 250 Adult : 20 - 250	
Respiration	Method	Trans-thoracic impedance	Trans-thoracic impedance	
	Measurement Range	0-120 rpm	0-150 rpm	
	Sweep Speed (mm/s)	6.25, 12.5, 25	6.25, 12.5, 25	
SpO <sub>2</sub>	Measurement Range	0-100 %	0-100 %	
	Accuracy (70-100%)	Adult/Pediatric	±2%	±2%
		Neonate	±3%	±3%
	Accuracy (0-69%)	unspecified	unspecified	
	Perfusion Index	0.05-20%	0.05-20%	
Pulse Rate Range (bpm)	25-250	20-250		
NIBP**	Method	Automatic Oscillometric	Automatic Oscillometric	
	Operation Mode	Manual / Auto / STAT	Manual / Auto / STAT	
	Parameter	Systolic, Diastolic, Mean	Systolic, Diastolic, Mean	
	Systolic Range (mmHg)	Adult	40-270	50-255
		Pediatric	40-200	50-255
		Neonate	40-130	30-130
	Diastolic Range (mmHg)	Adult	10-210	30-220
		Pediatric	10-160	30-220
		Neonate	10-90	20-100
	Mean Range (mmHg)	Adult	20-230	40-235
Pediatric		20-175	40-235	
Neonate		20-100	25-120	
Temperature	Range	0-50°C (41 to 122 °F )	10-45°C (50 to 113 °F )	
	Parameter	T1, T2 and TD	T1, T2	
IBP *	Channel	2 Channel / 4 Channel	2 Channel	
	Range (mmHg)	-50 to 400	-50 to 300	
Printer *	Type	Thermal dot array	Thermal dot array	
	Print Speed (mm/s)	12.5, 25, 50	50	
	Paper size (mm)	50	50.8	
CO <sub>2</sub> *	Sidestream	Masimo ISA / Bistos	Respironics	
	Mainstream	Masimo IRMA/ Bistos		
Multi-gas/O <sub>2</sub> *		Masimo ISA		
SpO <sub>2</sub> -Masimo *		Masimo SpO <sub>2</sub>		
C.O. *	Method	Thermodilution	Thermodilution	
	Range	0.2 - 20 L/min	0.2 - 20 L/min	
Battery	Type (capacity)	Li-Ion (4400mAh)	Li-Ion (2200mAh)	
	Run Time	5 hour	4 hour	
	Charging Time	4 hour	4 hour	
PC Software Interface		RJ45, USB, Nursing call	RJ45*, RS232C	
Warranty		2 year	2 year	

BT-740	BT-720	BT-710	BT-700
Patient Monitor	Vital Sign Monitor	Handheld Pulse Oximeter	Pulse Oximeter
8.4" Color Touch LCD	4.3" Touch LCD	4.3" Touch LCD	3.2" Color LCD
5 lead			
x0.25, x0.5, x1, x2, x4 auto			
12.5, 25, 50			
0.05-130Hz			
0.5-40Hz			
1-25Hz			
5-20Hz			
Adult : 15-300 Pediatric/Neonate: 15-350			
Trans-thoracic impedance			
0-120 rpm			
6.25, 12.5, 25			
0-100 %	0-100 %	0-100 %	0-100 %
±2%	±2%	±2%	±2%
±3%	±3%	±3%	±3%
unspecified	unspecified	unspecified	unspecified
0.05-20%	0.05-20%	0.05-20%	
25-250	25-250	25-250	30-250
Automatic Oscillometric	Automatic Oscillometric		
Manual / Auto / STAT	Manual / Auto / STAT		
Systolic, Diastolic, Mean	Systolic, Diastolic, Mean		
40-270	40-270		
40-200	40-200		
40-130	40-130		
10-210	10-210		
10-160	10-160		
10-90	10-90		
20-230	20-230		
20-175	20-175		
20-100	20-100		
0-50°C (41 to 122 °F )			
T1, T2 and TD			
2 Channel / 4 Channel			
-50 to 400			
Thermal dot array			
12.5, 25, 50			
50			
Masimo ISA / Bistos			
Masimo IRMA/ Bistos			
Masimo ISA			
Masimo SpO <sub>2</sub>	Masimo SpO <sub>2</sub>		
Thermodilution			
0.2 - 20 L/min			
Li-Ion (4400mAh)	Li-Ion (4400mAh)	Li-Ion (4400mAh)	Li-Ion (2600mAh)
6 hour	8 hour	8 hour	3 hour
4 hour	8 hour	8 hour	8 hour
RJ45, USB, Nursing call	RJ45, SD card slot	SD card slot	RS232C, Nursing call
2 year	2 year	2 year	2 year