



# Patient Monitoring Systems

Patient Monitor  
Vital Sign Monitor  
Pulse Oximeter

 **bistos**

# Patient Monitor



## BT-770

- 12.1" color TFT touch screen
- ECG, Resp., SpO<sub>2</sub>, NIBP, Temp., CO<sub>2</sub>, IBP, Multi-gas, C.O., Masimo SpO<sub>2</sub>
- Precise ECG measurement with pacemaker detection
- ST segment and 16 types of arrhythmia analysis
- Double overpressure protection for NIBP
- Intelligent cuff inflation pressure adjustment
- Smart Hook/Stand design, provide multiple placement modes
- Plug & Play Modular IBP& C.O., Modular Printer
- Multiple configuration options: 4-channel IBP, CO<sub>2</sub>, invasive C.O., Multi-gas
- Over 5 hours continuous working on battery
- 12-15V wide range DC input, suitable for ambulance
- Capable to connect with central monitoring system
- HL7 export to clinical information systems (option)



Touch screen



Dual Screen Central monitoring station



Ultra Slim design



Smart hook/Stand



IBP, CO<sub>2</sub>, Printer module

# Patient Monitor



## BT-740

- 8.4" color TFT touch screen
- ECG, Resp., SpO<sub>2</sub>, NIBP, Temp., CO<sub>2</sub>, Masimo SpO<sub>2</sub>
- Ultra-low power consumption
- Fan-less design, super silent
- Accurate SpO<sub>2</sub> performance during motion and low perfusion
- Perfusion index display, pitch tone variation for pulse rate
- USB support for future upgrade and data transfer
- Over 6 hours continuous working on battery



Trend Graphic



Trend Tabular



## BT-750

- 10.4" color TFT LCD
- ECG, Resp., SpO<sub>2</sub>, NIBP, Temp., CO<sub>2</sub>
- Light weight for portable use (3kg)
- 72 hours of tabular and graphic trend data
- Multi Language Support
- Rolling stand and wall mount
- Central Monitoring System

# Vital Sign Monitor

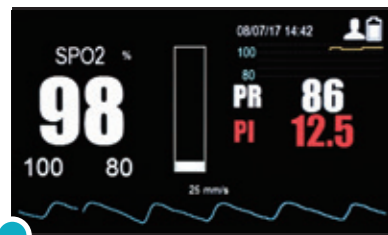


## BT-720

- 4.3" color touch screen
- SpO2, Pulse, NIBP, Masimo SpO2
- Short/long trend graphic / trend table display
- Audio & visual alarm, adjustable alarm limit
- Automatic brightness adjustment
- Accurate SpO2 performance during motion and low perfusion
- Perfusion Index data / bar graph display
- Pitch tone variation for pulse rate
- Internal memory for data storage
- SD card for easy software upgradation
- Over 8 hours continuous working on rechargeable lithium-ion battery
- Specialized PC software for data review and analysis
- Option for Masimo SpO2, NIBP
- HL7 export to clinical information systems



Portable design



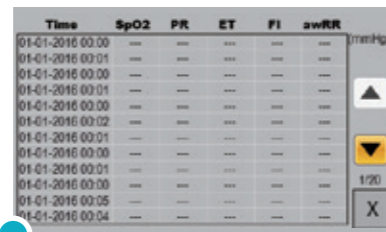
SpO2



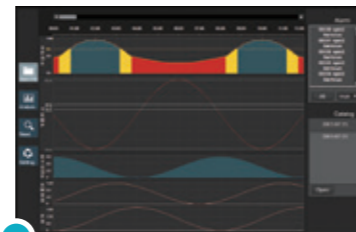
SpO2+NIBP



Trend Graphic



Trend Tabular



PC Viewer Software

# Pulse Oximeter

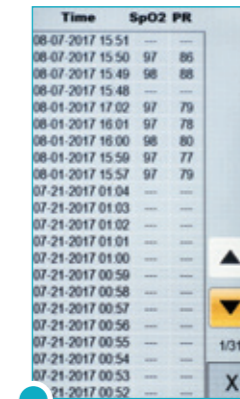


## BT-710

- 4.3" color touch screen
- Handheld style
- SpO2, Pulse
- Accurate SpO2 performance during motion and low perfusion
- Specialized PC software for data review and analysis
- Over 8 hours continuous working on rechargeable lithium-ion battery
- 5V DC input with convenient Micro-USB charger
- Battery can be charged by external USB battery
- Suitable for adult, pediatric and neonate



Handheld size



Trend Tabular



## BT-700

- 3.2" color LCD
- Desktop Pulse Oximeter
- SpO2, Pulse
- Trend Graphic, Trend Tabular display
- Internal data saving
- Firmware upgrade by USB interface
- Apply nurse call state

# BISTOS 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		Adult : 20 - 250		
	Pediatric/Neonate: 15-350		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%		
		Neonate	±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		Respirationics	
	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			
	Range	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		

Model	BT-740	BT-720	BT-710	BT-700
Category	Patient Monitor	Vital Sign Monitor	Handheld Pulse Oximeter	Pulse Oximeter
Display	8.4" Color Touch LCD	4.3" Touch LCD	4.3" Touch LCD	3.2" Color LCD
ECG	5 lead			
	x0.25, x0.5, x1, x2, x4 auto			
	12.5, 25, 50			
	0.05-130Hz			
	0.5-40Hz			
	1-25Hz			
	5-20Hz			
Hert Rate Range (bpm)	Adult : 15-300			
	Pediatric/Neonate: 15-350			
Respiration	Trans-thoracic impedance			
	0-120 rpm			
	6.25, 12.5, 25			
SpO <sub>2</sub>	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%	0.05-20%
	25-250	25-250	25-250	30-250
NIBP**	Automatic Oscillometric	Automatic Oscillometric		
	Manual / Auto / STAT	Manual / Auto / STAT		
	Systolic, Diastolic, Mean	Systolic, Diastolic, Mean		
	40-270	40-270		
		40-200		
		40-130		
	10-210	10-210		
		10-160		
		10-90		
	20-230	20-230		
20-175				
20-100				
Temperature	0-50°C (41 to 122 °F )			
	T1, T2 and TD			
IBP *	2 Channel / 4 Channel			
	-50 to 400			
Printer *	Thermal dot array			
	12.5, 25, 50			
	50			
CO <sub>2</sub> *	Masimo ISA / Bistos			
	Masimo IRMA/ Bistos			
Multi-gas/O <sub>2</sub> *	Masimo ISA			
SpO <sub>2</sub> -Masimo *	Masimo SpO <sub>2</sub>	Masimo SpO <sub>2</sub>		
C.O. *	Thermodilution			
	0.2 - 20 L/min			
Battery	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
PC Software Interface	RJ45, USB, Nursing call	RJ45, SD card slot	SD card slot	RS232C, Nursing call
Warranty	2 year	2 year	2 year	2 year



## **BIO SIGNAL TOTAL SOLUTION**

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