BeneView T1 Mobile monitoring solution

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BeneView T1 Patient Monitor

Mobile assistant between points of care

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Mobility on Your Terms

Powerful transport module and versatile monitor



SMART

Patient-centric. BeneView T1 has been designed to follow the patient throughout the points of care. When at the bedside, it functions as a multiparameter module inside the BeneView main unit. For patient transport, BeneView T1 can be quickly removed and is able to operate as an independent patient monitor.

Easy to use. The BeneView T1 transport module is based on the BeneView Patient Monitor platform. With its intuitive user interface and ergonomic design, T1 is simple to learn and easy to use.

Flexible. T1 is compatible with all BeneView Patient Monitors and operates through simple plug and play technology.

Its automatic brightness control function ensures optimum data visibility under a variety of lighting conditions.





Easy to carry. At less than 1Kg weight*, the compact T1 is exceptionally portable.

The built-in Li-ion battery supports up to 5 hours of continuous monitoring. The battery can be recharged through the BeneView main unit, an AC adapter or a battery charger. Patient monitoring will not be disrupted during battery change.

One hand operation. BeneView T1 fits perfectly into one hand, leaving the other hand to operate its functional touch screen.

Versatile mounting solutions. A variety of mounting solutions offer enhanced mobility. T1 features an ergonomic carrying handle and can easily be mounted on a bed-rail or a pole stand.

*including Li-ion battery.

SEAMLESS DATA TRANSFER

Advanced networking.BeneView T1 guarantees continuity of patient data, even during transport. When removed from the BeneView monitor, the T1 automatically connects to the Hypervisor VI central monitoring station via integrated WiFi.

BeneView's 'view other bed' function allows realtime patient information to be retrieved from the T1.

Intelligent data-synch. All data collected during patient transport will automatically be uploaded to the central monitoring system when the T1 is returned to the BeneView patient monitor.











POWERFUL

High performance monitoring. BeneView T1 is suitable for patients at all levels of acuity. T1 offers a wide range of monitoring parameters including ECG, NIBP, Temperature, SpO₂, IBP and EtCO₂. It can also support 12-lead ECG, C.O and PiCCO.

The fully configurable 5" screen can display up to 12 waveforms, allowing for comprehensive patient assessment during transport.

Powerful data management. T1 records up to 48 hours of Full Disclosure waveforms and data. Caregivers can retrieve and display up to 120 hours of graphic and tabular trends* in addition to 1,000 NIBP measurements.

Personalized user configurations can be conveniently saved on a USB memory device and uploaded to different BeneView T1 monitor.

* At 1 minute intervals









	After 10 min, enter the full accurac	y mode		
awRR range	0 to 120 rpm			
awRR precision	±2 rpm			
Response time				
When using neonatal wa	ater trap and 2.5m neonatal sampling line:	<4.3s@100 ml/min		
		<4.9 s @70 ml/min		
When using adult water	trap and 2.5m adult sampling line:	<4.7 s @150 ml/min		
		<5.3 s @120 ml/min		
		<5.8 s @100 ml/min		
		<6.9 s @ 70 ml/min		
Apnea time	10s, 15s,20s,25s,30s,35s,40s			
Microstream CO,				
EtCO, Range	0 to 99 mmHg			
Accuracy	0 to 38 mmHa: +2 mmHa			
	30 to 90 mmHa + 5% of reading + 0.08% for every 1 mmHa (above 38 mmHa)			
Sample flowrate	50 +15 ml/min			
Jumple normate	-7 5 ml/min			
Initialization time	30 s (typical)			
awBR range:	0 to 150 rpm			
awRR precision	0 to 70 rpm: ±1 rpm			
	71 to 120 rpm: +2rpm			
	121 to 150 rpm: ±3 rpm			
Response time	2.9 s(typical)			
Apnea time	10s,15s,20s, 25s, 30s, 35s, 40s			
Mainstream CO.				
CO. Bange	0 to 150 mmHa			
Accuracy	0 to 40 mmHa: +2 mmHa			
Accuracy	41 to 70mmHg: $\pm 5\%$ of the reading			
	71 to 100mmHg: $\pm 8\%$ of the reading			
	101 to 150mmHg: ±0% of the reading			
awBB range	0 to 150 rpm			
Accuracy	1 rpm			
Response time	<60 ms			
PiCCO				
	Measurement range	Coefficient of variation		
CCO	0.25 l/min to 25.0 l/min	≤2%		
C.O.	0.25 l/min to 25.0 l/min	≤2%		
GEDV	40 ml to 4800 ml	≤3%		
SV	1 ml to 250 ml	≤2%		
EVLW	10ml to 5000 ml	≤6%		
ITBV	50ml to 6000 ml	୍କ୍ର%		

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CE₀₁₂₃

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BeneView T1 Patient Monitor

Technical Spe	cifications
Technical Specifications	
Safety	IEC 60601-1 approved, CE marking according
	against harmful ingress of water: IPX 1
Physical specifications	
Dimension:	142mmx102mmx81mm/ 5.6'x4.0'x3.2'inch
Weight:	≤1000 g (standard parameters, including bat
Operation Environment	
Ambient temperature	Operating: 0 $^\circ\!\!\mathbb{C}$ to 40 $^\circ\!\!\mathbb{C}$ /32 to 104 $^\circ\!\!\mathbb{F}$
	Storage: -30 $^\circ \!\! \mathbb C$ to 70 $^\circ \!\! \mathbb C$ /-74 to 158 $^\circ \!\! \mathbb F$
Relative Humidity	Operating:15% to 95% (non condensing)
	Storage: 10% to 95% (non condensing)
Power requirements	100 to 240 VAC, 0.6 to 0.4 A, 50/60Hz (adapter)
	100 to 240 VAC, 0.65 to 0.35 A, 50/60Hz (docki
Display	
Size	5"(host display), 19"(external display)
Туре	Color LCD touch screen
Resolution	480*272(host display), 800*600(external displa
Number of traces	4(host display), 8(external display), MAX13
Battery	
Number of battery:	1
Battery type:	Exchangeable Li-ion battery 7.4VDC, 2500mA
Run Time:	5 hours
Connectors	
WLAN(main unit):	Yes(Optional)
DC-in(main unit):	Standard
Analog out(main unit):	Standard
USB(docking station):	2 USB 2.0connectors
LAN(docking station):	RJ45(Standard)
VGA(docking station):	Optional
Alarm	
Categories:	3 levels high, medium, low
Alarm lamp:	1, yellow & red, compliance with ICE-60601-1-
Alarm sound :	45 to 85db, compliance with IEC60601-1-8
Alarm Volume :	0 to 10
Pause:	1,2,3,5 10 or 15 minutes/permanent
Storage	
Trend data:	120h @ 1min, 4h @ 5s, 1h @ 1s
Alarm events:	100
Arr events:	100
NIBP measurements:	1000
12-lead analysis results:	20 groups
Full disclosure wave :	Max: 48 hours



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ECG	
Standard	EC11, EC13, IEC 60601-2-27, IEC 60601-2-25
Algorithm	Mindray or Mortara optional
Lead type	3-lead, 5-lead, 12-lead
Gain	x0.125, x0.25, x0.5, x1, x2, x4, Auto
Sweep speed	6.25, 12.5, 25, 50 mm/s
Filter	Diagnostic mode: 0.05 to 150 Hz
	ST mode:0.05 to 40 Hz
	Monitoring mode: 0.5 to 40 Hz
	Surgery mode: 1 to 20 Hz
Notch	50 Hz, 60 Hz
HR Range	Neonate: 15 to 350 bpm
5	Pediatric: 15 to 350 bpm
	Adult: 15 to 300 bom
Resolution	1 hpm
Accuracy	+1 hpm or +1% whichever is greater
ST segment range	-2.0 to 2.0 mV
Arrhythmia analysis	Vec (Mindray or Mortara algorithm)
Pace rejection	
	Width: 0.1mc to 2mc
	Pice time: 10ucte 100uc
12 load ECC analysis	
T2-lead ECG analysis	
Pace detection	Yes
RESP	
Method	Irans-thoracic impedance
RR Range	Adult: 0-120 rpm
	Ped/Neo: 0-150 rpm
Accuracy	7~150 rpm: ±2rpm or ±2% whichever is greater
	0~6 rpm: Unspecified
Apnea alarm delay:	10s, 15s, 20s, 25s, 30 s, 35s, 40 s
Bandwidth	0.2 to 2.5 Hz (-3dB)
Sweep Speed	3mm/s, 6.25mm/s, 12.5mm/s, 25mm/s, 50mm/s
SpO ₂	
SpO ₂ range	Mindray SpO ₂ : 0 to 100%
	Masimo SpO2: 1 to 100%
	Nellcor SpO2: 0 to 100%
Resolution	1%
Mindray accuracy	±2% (70-100%, Adu/Ped, non-motion)
	±3% (70-100%, Neo, non-motion)
	±3% (70-100%, motion)
	Unspecified (0-69%)
Masimo Accuracy	±2% (70-100%, Adu/Ped, non-motion)
	±3% (70-100%, Neo, non-motion)
	±3% (70-100%, motion)
	Unspecified (1-69%)
Nellcor Accuracy	±2% (70-100%, Adu/Ped)
	±3% (70-100%, Neo)
	Unspecified (0-69%)
Refreshing rate:	1 s
Pulse rate	
Range	Mindray SpO ₂ : 20 to 254 bpm
	Masimo SpO ₂ : 25 to 240 bpm
	Nollcor SpQ + 20 to 200 hpm

	IBP module: 25 to 350 bpm
	NIBP Module: 40-240 bpm
Accuracy	Mindray SpO ₂ :
	±3 bpm (non-motion)
	±5 bpm (motion)
	Masimo SpO ₂ :
	±3 bpm (non-motion)
	±5 bpm (motion)
	Nellcor SpO ₂ :
	±3 bpm (20-250bpm)
	Unspecified (251-300 bpm)
	IBP Module:
	± 1 bpm or ± 1 %, whichever is greater
	NIBP Module:
	±3 bpm or ±3% whichever is greater
Resolution	1 bpm
Refreshing rate	1 s
NIBP	
Method	Automatic Oscillometric
 Operation Mode	Manual, Auto, STAT
 Parameters	Systolic, Diastolic, Mean
 Systolic Range	Adu: 40-270mmHg
 	Ped: 40-200mmHg
	Neo: 40-135mmHg
Diastolic Range	Adu: 10-210mmHg
	Ped: 10-150mmHg
	Neo: 10-100mmHg
Mean Range	Adu: 20-230mmHg
	Ped: 20-165mmHg
	Neo: 20-110mmHg
 Accuracy	Max Mean error: ±5mmHg
	Max Standard deviation: 8mmHg
	Resolution: 1 mmHg
Temperature	
Range	0 to 50 ℃ (32 to 122 °F)
Resolution	0.1 °C
 Accuracy	\pm 0.1 °C or \pm 0.2 °F (without probe)
Parameters	T1, T2 and TD
IBP	
 Channel	2-ch
 Range	-50-300mmHg
Resolution	1mmHg
Accuracy	±2% or ±1mmHg, whichever is greater (Withou
Sensitvity	5uV/mmHg/v
Impedance range	300 to 3000 Ω
Sidestream CO ₂	
EtCO ₂ Range	0 to 99 mmHg
 Accuracy	0 to 40 mmHg: ±2 mmHg
	41 to 76 mmHg: ±5% of the reading
	77 to 99 mmHg: ±10% of the reading
 Sample flow rate	Adult: 70, 100, 120, 150ml/min; Pediatric/neon
 Accuracy	±15% or ±15ml/min, whichever is greater.
 Warm-up time	<45 seconds, enter the iso accuracy mode

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