

CardioLab

Altix BT22

Electrophysiology Recording System



Combining enhanced insight, clinical functionality and smooth workflow, the Altix BT22 edition of GE Healthcare's CardioLab™ recording system helps you focus on what matters: patient care.

In the rapidly evolving cardiology space, Altix builds new enhancements around the essential functionality and exceptional performance you expect from CardioLab.

CardioLab now comes with our newest clinical innovation, the Prucka™ 3 amplifier, taking signal quality to the next level and enhancing signal quality in EP procedures. Our next-generation electrophysiology system enables advanced, quick evaluations enhanced by new signal filtering capabilities with the reliability and signal quality you expect.

Altix BT22 extends these enhancements and focuses on user experience by introducing ClearView, which provides a clearer view through a modernized user interface, new keyboard, wireless barcode scanner, refines key clinical functionality, and reduces noise and enhances signal visualization with SmartSignal.

Altix BT22 also includes DirectConnect which provides a suite of solutions that increase data flexibility and allow you to easily exchange more data with your EMR and other required systems.

Altix BT22 optionally provides DirectAssist, which offers a variety of information-gathering tools that put at your fingertips the data you need to streamline workflow, improve documentation, and increase patient throughput.

Altix BT22 provides all of these options, built on a strong foundation that seamlessly integrates Security measures with your ecosystem to keep your network safe and your data private.

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Specifications

Technical specifications	
Item	Specifications
System	<ul style="list-style-type: none"> • Microsoft Windows® 10 (64-bit) • Microsoft Office®
Monitors	<ul style="list-style-type: none"> • 24" flat panel • 1920x1200 resolution
Printer option	<ul style="list-style-type: none"> • Black & White • Color

Environmental, electrical specifications	
Item	Specifications
Operating temperature	+15°C to +30°C
Maximum current draw	15A/120V

Amplifier technical specifications (EP)	
Item	Specifications
ECG inputs	<ul style="list-style-type: none"> • High Pass Filter: 0.05Hz, 0.5Hz, 5.0Hz • Low Pass Filter: 40Hz, 100Hz • Gain: 50 – 10,000 in 8 settings
Intracardiac Channels	<ul style="list-style-type: none"> • High Pass Filter: DC, 0.05Hz, 0.5 Hz, 5.0 Hz, 30 Hz and 100 Hz • Low Pass Filter: 150 Hz, 500 Hz, 1000 Hz
Invasive Pressure	<ul style="list-style-type: none"> • Range: -25 mmHg to 349 • Inputs compatible with 5uV/V/mmHg pressure transducers • Low Pass Filter: 6Hz, 25Hz, 100Hz

Physiologic recordings (Hemo)	
Item	Specifications
Amplifiers	Modular transport design
ECG	12-lead with ST segment analysis
Respiration	Impedance method (0-200 breaths per min range)
Cardiac Output	Thermodilution, calculated and estimated Fick
Invasive pressure	4 channels with means (-25 to 249mmHg range)
Non-invasive pressure	Automatic and manual modes (oscillometric)
Pulse Oximetry	Nellcor™ or Masimo™

	Prucka 3	CLab II Plus 128	CLab II Plus 64
Total Recording Channels	128	128	64
Intracardiac Channels	108	108	44
Stim	4	4	4
Catheter Inputs	224	224	96
ECG	12-Lead	12-Lead	12-Lead
Invasive Pressure	4	4	4
Catheter Input Modules	7	7	3
CMRR	120	100	100
Sample Rate	32 KHz	1, 2, 4 KHz	1, 2, 4 KHz

Physical specifications				
	Width (in/cm)	Depth (in/cm)	Height (in/cm)	Weight (lbs/kg)
Dell® 5820 acquisition	6.8/17.3	20.4/51.9	16.4/41.7	34.1/15.5
Dell review	7.1/18.1	6.9/17.6	1.5/3.9	2.4/1.1
Workstation Desk – 65"	65/165	30/76	29.5/74.9	340/154
Workstation Desk – 47"	47/119	30/76	29.5/74.9	265/120
PDM Base Station Plus	11.3/28.6	13.0/33.1	3.3/8.4	5.7/2.6
PDM Slim Connect	7.5/19.0	8.1/20.5	2.8/7.1	2.6/1.2
PDM	5.75/14.77	8.5/21.6	2.5/7.0	2.8/1.3
Amplifier (64 Channels)	13/33	13/33	9.5/24	25.5/11.6
Amplifier (128 Channels)	13/33	13/33	13.33	31.5/14.3
Amplifier Prucka 3 (128 Channels)	13/33	13.3/33.8	12.5/31.8	30.5/13.8
Flat Panel Monitor (24")	20.9/53	7.5/19	20.3/51.5	12.5/5.7
HD Hub	8.64/21.95	11.6/29.4	8.95/22.75	19.8/9
Isolation Transformer - 600VA	6.5/16.5	10.5/27	4/10	14.7/6.7
Isolation Transformer - 1000VA	8.5/21.6	12/30.5	4.5/11.4	22.4/10.2



Client Workstation Specifications - GE Supplied Hardware

Client Workstation	
System	<ul style="list-style-type: none">• Microsoft Windows 10 (64-bit)• Microsoft Office
Monitor	<ul style="list-style-type: none">• 24" flat panel• 1920 x 1200 resolution

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DOC2634272