

USER MANUAL



PX150 & PX200 EMERGENCY FIELD BEDS



Printed in U.S.A.

All rights are reserved. No part of this document may be photocopied, reproduced or translated to another language without prior written consent of OAKWORKS[®], Inc.

OAKWORKS[®] is a registered trademark of OAKWORKS[®], Inc.

Notice

The information contained within this document is subject to change without notice and should not be construed as a commitment by OAKWORKS[®], Inc.

OAKWORKS[®], Inc. encourages requests for technical specifications and the like documentation to ensure accuracy. The appropriate documentation is available upon request.

OAKWORKS[®], Inc. shall not be liable for incidental or consequential damages in connection with or arising out of the furnishing, performance, or use of this document and the program material which it describes.

TABLE OF CONTENTS

- Product Use Description 1
- Important Safety Instructions
 - Symbol Identification 1
 - Safety Instructions 1-2
 - Selection of a Mattress 3
 - Selection of Side Rails 3
- Product Description & Photo
 - PX150 4
 - PX200 5
- Installation
 - Grounding 6
 - Side/End Rail 6
- Directions for Use
 - PX150 & PX200 Control Operations..... 7
 - Adjusting the Back Rest 8
 - Side/End Rail Use 8
 - Moving the bed..... 9
 - Dual Locking Casters Use 9
- Cleaning & Disinfection
 - Recommended Cleaners/Disinfectants 10
 - Cleaning Process..... 11
- Inspections & Maintenance 11
- Warranty Information 11
- Model Number & Serial Number
 - PX Beds..... 12
- Specifications
 - Environmental Conditions 13
 - Electrical Specifications 13
 - Guidance and manufacturer’s declaration -
Electromagnetic emissions 14
 - Recommended separation distances 14
 - Guidance and manufacturer’s declaration -
Electromagnetic immunity..... 15-16
- Contact Information back cover

PRODUCT USE DESCRIPTION / IMPORTANT SAFETY INSTRUCTIONS

PRODUCT USE DESCRIPTION

The PX150 & PX200's are emergency field beds, intended for medical purposes. The bed allows for articulation of the head section to provide different positions for the patient. It is indicated to be used under medical supervision in a hospital or other medical facility. The bed is only to be moved within the patient room for cleaning or patient access. No special training is required but a review of the following manual is important for the safety of the operator and patient. The professional should read and understand this entire manual before use with a patient.

SYMBOL IDENTIFICATION



This symbol, when used in this manual and on product labels, represents a caution warning. Be sure to read and comply with all precautions and warnings.



This symbol, when used in this manual and on product labels, warns against an electrical shock hazard. Be sure to observe and comply with all warnings.



This symbol, when used in this manual or on product labels, indicates a Protective Earth (Ground) Terminal.



This symbol, when used in this manual and on product labels, indicates that the bed and components are a Type B Applied Part pursuant to IEC 60601-1: 2005.



This symbol, when used in documentation on this product, indicates alternating current (AC).



This symbol, when used in documentation on this product, indicates direct current (DC).



This symbol is used to indicate that the operator should consult the user manual.

IMPORTANT SAFETY INSTRUCTIONS



CAUTION

READ AND SAVE THESE INSTRUCTIONS

The use of accessories, transducers, and cables other than those specified by the manufacturer, may result in increased emissions or decreased immunity of the bed.

The Bed should not be used adjacent to or stacked with other equipment and that if adjacent or stacked use is necessary, the bed should be observed to verify normal operation in the configuration in which it will be used.

The Bed is designed to be a stand-alone bed. This bed must not be modified or incorporated into any other equipment.

As with any moving mechanism there are potential pinch points around and underneath the bed. It is the responsibility of the operator of this equipment to insure that bystanders are not in the area below or around this equipment during operation.

Proper operation of this equipment is very important for the safety of the operator, patient, and any other individuals in the area of this equipment. Directions for use of this equipment are described in this manual. The operator should read these sections carefully.

IMPORTANT SAFETY INSTRUCTIONS

Weight Limit: (patient and accessories) 400 lbs. (182 kg) Do not exceed.

The Back Rest is not designed to support the entire weight of the patient. Do not sit on the Back Rest.

Be certain that the bed is completely lowered prior to discharging an ambulatory patient. The patient may lose balance and fall.

Do not lift bed by the top. This can damage the bed.

When lowering the bed, make sure there is nothing underneath the top that can impede motion (like stools, cabinets, accessory parts, cleaners, etc)

Use this bed only for its intended use as described in these instructions. Do not use attachments not recommended by the manufacturer.

Close supervision is necessary when this furnishing is used near children or disabled persons.

WARNING

To reduce the risk of burns, fire, electric shock or injury to persons:

1. Unplug this furnishing from the electrical outlet before cleaning.
2. Unplug from outlet before adding or removing parts.
3. Never operate this furnishing if it has a damaged cord or plug, if it is not working properly, if it has been dropped or damaged, or dropped into water. Contact Oakworks Customer Service before use.
4. Keep the cord away from heated surfaces.
5. Never drop or insert any object into any opening.
6. Do not use outdoors.
7. Do not operate where aerosol (spray) products are being used or where oxygen is being administered.

DANGER

Risk of electric shock - Connect this furnishing to a properly grounded outlet only. See Grounding Instructions in this manual.

Electrical Shock Hazard. The power supply/control module is located under the bed seat. No user serviceable parts are inside the control box. Refer servicing to qualified personnel. Unplug wall plug prior to contact with any cables connected to the power supply.

IMPORTANT SAFETY INSTRUCTIONS

SELECTION OF A MATTRESS

The PX150 & PX200 Bed Mattress Support Platforms are designed for use with the Oakworks Full Size Mattress (36"W x 80"L x 6"H) Part No. 82218 only. Other Mattresses have not been tested for use with the PX150 & PX200 Bed.

SELECTION OF SIDE RAILS

The PX150 & PX200 Beds are designed to have the PX150 & PX200 Bed Side Rails only. Part No. 82224

No testing has been done on other side rail systems.



WARNING

Risk Of Death, Injury, Or Damage

To avoid entrapment, product damage, and/or personal injury:

Replacement mattresses and bed side rails with dimensions different from the original equipment supplied or specified by the bed frame manufacturer are not interchangeable. Variations in bed side rail design, width and thickness or firmness of the mattress could cause/contribute to entrapment.

Oakworks recommends that the mattress be centered on the bed frame. Otherwise, individuals may become trapped between the bed rail and the bed frame.

Bed rails can be deformed or broken if excessive side pressure is exerted on the bed rails. These bed rails are used for the purpose of preventing an individual from inadvertently rolling out of bed. The bed rails are not intended nor may be used for restraint purposes. If an individual is capable of injuring himself/herself, a physician or a healthcare professional should be consulted for alternative means of safe restraint.

Patient entrapment from the use of bed side rails may cause injury or death. To avoid patient entrapment:

The Oakworks mattress **MUST** fit firmly against the bed frame **AND** bed side rails to prevent patient entrapment. Monitor patient frequently. Read and understand the User Manual prior to using the PX150 & PX200 beds and bed rails.

After any adjustments, repair or service and before use, make sure all attaching hardware is tightened securely.

ALWAYS test to make sure that the side rails are properly and securely in place before using. Otherwise, injury or damage may occur.

PRODUCT DESCRIPTION

PX150 Bed



Optional Dual Locking Casters

STANDARD SPECIFICATIONS			
Motion 1	Powered 23"-41" (59-104 cm.)	Length	80" (203 cm)
Motion 2	Manual 0° - 90° Backrest	Mattress	6" Thick (15 cm), Removable, Water Resistant
Foot Control	Height Motion		
Bed Voltage Options	120V/60Hz or 230V/50Hz	Bed Weight*	180 lbs. (82 kg.)
Bed Capacity	400 lbs. (182 kg.) (patient and accessories)	Width	36" (91 cm)
OPTIONS		ACCESSORIES	
Dual Locking Casters		Adjustable & Removable Side Rails	
		Adjustable & Removable Foot Board	
		Adjustable & Removable Head Board	

For electrical specs, see Specifications section.

PRODUCT DESCRIPTION

PX200 Bed



Optional Dual Locking Casters

STANDARD SPECIFICATIONS			
Motion 1	Powered 24"-42" (61-107 cm.) Height Range	Length	80" (203 cm)
Motion 2	Powered 0° - 75° Backrest	Width	36" (91 cm)
		Bed Weight*	200 lbs. (91 kg.)
4 Button Hand Control	Height & Backrest	Padding	6" Thick (15 cm), Removable, Water Resistant
Bed Voltage Options	120V/60Hz or 230V/50Hz	Bed Capacity	400 lbs. (182 kg.) (patient and accessories)
OPTIONS		ACCESSORIES	
Dual Locking Casters		Adjustable & Removable Side Rails	
		Adjustable & Removable Foot Board	
		Adjustable & Removable Head Board	

For electrical specs, see Specifications section.

INSTALLATION

The Beds come completely assembled and ready to use. Plug the cord into a functioning outlet that is rated for the bed. (see Grounding below)

Arrange the power cord and control cords so that they will not create a tripping hazard and where the controls are located to your liking and are conveniently accessible.

Be sure access to plug is not blocked for disconnecting the bed from power.

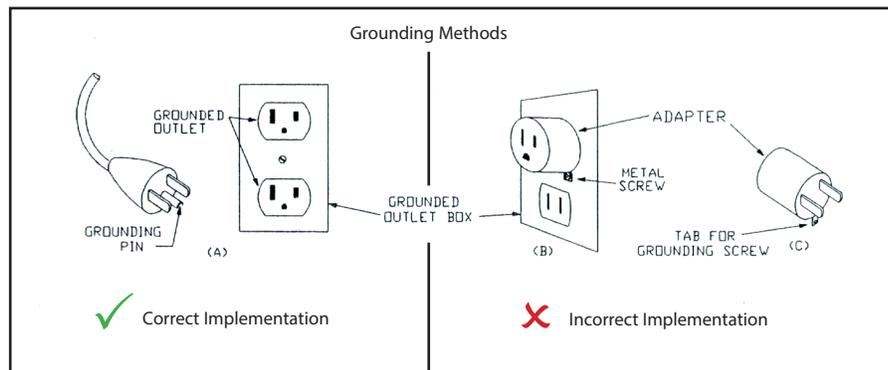
GROUNDING



DANGER

Risk of Electric Shock - Connect this furnishing to a properly grounded outlet only.

This product must be grounded. If it should malfunction or break down, grounding provides a path of least resistance for electrical current to reduce the risk of electric shock. This product is equipped with a cord having an equipment-grounding conductor and a grounding pin. The pin must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances. See U.S. sample below.



Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or service person if you are in doubt as to whether the product is properly grounded. Do not modify the plug provided with the product - if it will not fit the outlet; have a proper outlet installed by a qualified electrician.

SIDE/END RAIL INSTALLATION



Line up the slots in the side/end rail with the holes in the pair of brackets on the appropriate side. Insert the knobs through the slots and tighten into the brackets.

DIRECTIONS FOR USE

PX150 FOOT CONTROL OPERATION



CAUTION

Be sure the casters are locked or the self-locking molded rubber feet are flat side down if there are no casters to ensure safety and stability.

The OAKWORKS® PX150 bed offers height positioning with electronic ease. Operate the Foot Control as shown below to raise or lower the height of the bed.



Height UP



Height DOWN



PX200 HAND CONTROL OPERATION



CAUTION

Do not sit backrest or leg rest sections. Be sure the casters are locked or the self-locking molded rubber feet are flat side down if there are no casters to ensure safety and stability.

The OAKWORKS® PX200 bed offers height and backrest positioning with electronic ease. Operate the Hand Control as shown below to raise or lower the height or backrest functions of the bed.



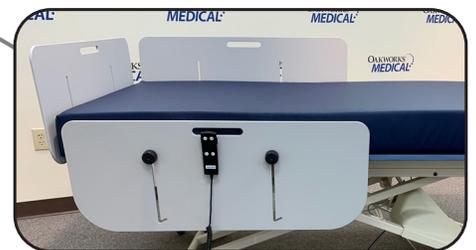
Height UP



Height DOWN



Backrest UP



Backrest DOWN



DIRECTIONS FOR USE

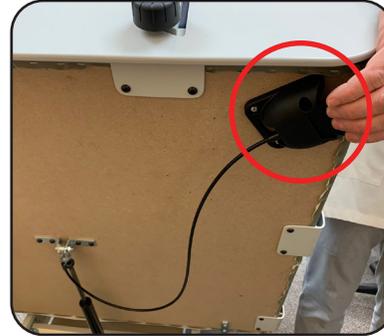
ADJUSTING THE BACK REST SECTION - PX150 BEDS ONLY

 **CAUTION** Do not sit on the Backrest section.



TO RAISE THE BACK REST

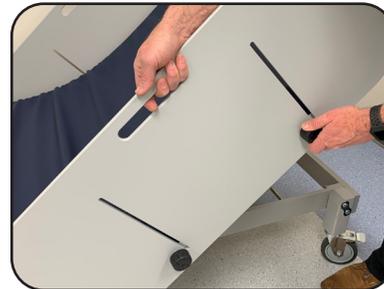
Raise the back rest by pressing the lever under the head section and lifting up to the desired height. It is recommended that clients take some of their weight off the back rest while you lift.



TO LOWER THE BACK REST:

Press the lever under the head section and push the back rest down.

SIDE/END RAIL USE



Firmly grab the handle of the side/end rail with one hand and use the other to loosen the two knobs just enough so the rail will slide. Raise or lower the rail to the desired position. When raising make sure the knob fits in the notch in the groove and is tightened securely.

DIRECTIONS FOR USE

MOVING THE BED



CAUTION

Before moving any of the Beds, disconnect the power cord from the power outlet. The bed weighs as much as 200 lbs. (91 kg.) Use extreme caution when lifting the bed to move it. Two people are required to move the bed safely. DO NOT use the bed to transport a patient.

The beds are equipped with two wheels at one end and two self-locking, molded rubber feet at the other. When ready to move the bed, first lower the bed to its lowest position. On models with a back rest, it is recommended to raise the back rest to a high position. Then be sure the power source is disconnected. Place the cord & all controls out of the way on top of your bed before moving the bed. Lay a towel or a cloth down on your bed top to protect the surface from any debris from the bottom of your foot control.

Two people are required to safely move the bed. Grasp the bed frame securely at the end with either the locking casters or the molded rubber feet. Raise the bed to allow the wheels at the foot end to move freely. Bending at the knees before lifting to prevent back strain or possible injury.

Grasp the bed frame securely here at both sides of the brace.



Move the bed carefully to the next location, lower the bed and release. Check the self-locking molded rubber feet to be sure they are flat side down. This position "locks" the bed and allows sturdy height adjustments. Place the foot controls in position on the floor. Connect the power cord to the outlet and test the foot control.

DUAL LOCKING CASTERS USE

All casters should be locked at all times during use with a patient.



LOCKING THE CASTERS

1. Place your shoe on the end of the casters locking tab.
2. Press firmly downward until you hear a clicking noise and the caster is locked.



UN-LOCKING THE CASTERS

1. Place your shoe on top of the casters locking tab.
2. Press firmly inward and downward until you hear a clicking noise and the caster is unlocked.

CLEANING & DISINFECTION

RECOMMENDED CLEANERS/DISINFECTANTS



DANGER

To reduce the risk of electric shock:

- Always unplug this furnishing from the electrical outlet before cleaning.

The following cleaners were tested by OAKWORKS® and found to be acceptably compatible with all materials used in construction of our beds:

1. Formula 409®
2. Fantastik®
3. Green Windex®

The following disinfectants were tested by OAKWORKS® and found to be acceptably compatible with all materials used in construction of our beds:

1. Clorox Everest / Formula 409® Multi-Surface Cleaner (EPA Reg. No. 5813-73)
2. Parker Labs: Protex™1 (EPA Reg. No. 6836-152)
3. Clorox 10% household (Bleach) Solution (EPA Reg. No. 5813-100)
4. Madacide-FD (EPA Reg. No. 1130-15)
5. Clorox EZ Kill Wipes (EPA Reg. No. 5984-10)
6. Clorox 8.25% Germicidal Bleach (EPA Reg. No. 67619-9)
7. Clorox Disinfecting Wipes (EPA Reg. No. 67619-9)
8. Clorox Healthcare VeraSure Wipes (EPA Reg. No. 67619-37)
9. Clorox Healthcare Fuzion Cleaner Disinfectant (EPA Reg. No. 67619-30)
10. Clorox Healthcare 0.65% Bleach Germicidal Cleaner Spray (EPA Reg. No. 56392-7)
11. 3M C. diff Solution Tablets (EPA Reg. No. 718147-6)
12. AntiGone Wipes (SC 291919-10)

The following disinfectants were tested by OAKWORKS® and found to be acceptably compatible with most materials, with some cautions as indicated:

1. 10% Sodium Hypochlorite (bleach) solution in water (EPA reg# 5813-100) (possible mild corrosion of plated metals)
2. Metrex Cavicide One (EPA reg# 46781-12) (possible slight deterioration of covering and other finishes)

OAKWORKS® recommends a prepackaged wipe for cleaners/disinfectants to ensure best distribution of disinfectant for the required kill time, without leaving excess residue and/or overexposing components therefore minimizing the potential for damage to materials. Please read and follow disinfectants manufacturers' directions for cleaning and dis-infection.

OAKWORKS® does NOT recommend the use of cleaners/disinfectants containing Hydrogen Peroxide, Acetic Acid, or Phenolics. These chemicals can cause damage to the appearance and/or material integrity of various components. Also, while the recommended cleaners/disinfectants list includes products containing Quaternary Ammonium compounds ("quats"), not all products containing quats are approved for use. Some contain additional detergents and/or surfactants which can be detrimental to some materials.

A note on Bleach: While a 10% sodium hypochlorite (household bleach) solution (EPA reg# 5813-100 or equivalent) can be an effective disinfectant and is dilute enough to be benign to most materials, it alone is not an effective cleaner and a separate product must be used for the initial cleaning steps of the procedure. Because of possible chemical incompatibilities between various cleaning products and bleach, utmost care must be taken by the user to avoid potential exposure to harmful or toxic by-products of the combination. Also, because bleach leaves a potentially corrosive residue as it evaporates, it must be rinsed with clean water after disinfection. It is therefore NOT recommended by OAKWORKS®. Please note, one step cleaner/disinfectants using bleach and a detergent/ surfactant were found to damage materials and are NOT recommended.

CLEANING & DISINFECTION / INSPECTIONS / WARRANTY

CLEANING PROCESS



DANGER

To reduce the risk of electric shock:

- Always unplug this furnishing from the electrical outlet before cleaning.

Follow the cleaners/disinfectant manufacturers' directions for use. Please note that cleaning and disinfecting the PX150 & PX200 Beds is a two part process. First it must be cleaned of any visible soil, then it can be disinfected. The bed should be cleaned as soon as possible after use. Please follow these procedures for best results:

1. Using a fresh wipe or wipes, clean any visible soil off of the bed, working from the top to the bottom of the bed.
2. Throw the used wipe(s) away.
3. Using a fresh wipe or wipes, thoroughly wipe all surfaces of the top and any high-contact areas such as handles, handsets, etc., making sure they remain wet for the disinfectant manufacturer's recommended contact time.
4. Throw the used wipe(s) away and allow the bed to dry.

INSPECTIONS

RECOMMENDED REGULAR INSPECTIONS (monthly or local standard)

- Visually inspect components for obvious damage that could cause problems during operation.

RECOMMENDED PERIODIC INSPECTIONS (yearly or local standard)

- Visually inspect components for obvious damage that could cause problems during operation.
- Check that all fasteners are present and fastened securely.
- Clean unusual buildup of dirt on the bed and/or parts of the bed not normally cleaned on a regular basis.
- Check for tears or cracks in the coverings.

WARRANTY

3 Years Parts, 2 Years Labor

MODEL NUMBER & SERIAL NUMBER

PX BED



The model number and serial number are located on the underside of the seat section.

Model Number

Serial Number

Prouxe, PX & PT Series Tables and EC Chairs

16796025 PXEXFT311873ACTTVN Ser#: PXR563146
PX FT 30 x 22-38 x 72 3M/TT/2S
TTSKYBLUE 01/04/2020 Order#:654321
Notes: Sample Product Label

120V~ 60Hz
2.0 Amps Max

CONFORMS TO:
ANSI/AAMI
STD ES60601-1
IEC STD 60601-1-6
Certified to
CAN/CSA STD
C22.2 No. 60601-1

Intertek
3034177

230V~ 50/60Hz
1.0 Amps Max
2.0 Amps Max
2.1 Amps Max
3.0 Amps Max

Class 1 Equipment
Duty Cycle:
MAX 2 minutes ON
18 minutes OFF

OAKWORKS, Inc.
923 East WellSpring Rd.
New Freedom, PA 17349 USA
Phone: 717-235-6807
www.oakworks.com

made in the USA
with US & imported parts

Part No. CN70537-9 - Rev. 2

Model Numbers and Serial Numbers always start with a letter.

SPECIFICATIONS

ENVIRONMENTAL CONDITIONS

Conditions	Temperature	Humidity	Atmospheric Pressure
Normal Use	50° (10°C) to 104° (40°C)	20% to 60% RH	98 to 105 kPa
Storage & Transport	-20° (-29°C) to 135° (57°C)	20% to 95% RH	98 to 105 kPa

ELECTRICAL SPECIFICATIONS

Designed for:	North America	Europe	Japan
Input Service	120 VAC/15 amp/60 Hz	230 VAC/10 amp/50/60 Hz	100 VAC/15 amp/50 Hz
Current Draw	2.7 amps	1.5 amps	3.3 amps
Maximum Momentary Current Consumption	9.0 amps	5.0 amps	11.0 amps
Voltage Output to Actuators	24 VDC	24 VDC	24 VDC
Electric Shock Protection	Class 1 Equipment	Class 1 Equipment	Class 1 Equipment
Tabletop Applied Part	 Type B Applied Part	 Type B Applied Part	 Type B Applied Part
Ingress Protection Rating	IPX0	IPX0	IPX0
Mode of Operation	Intermittent Operation MAX 2 minutes ON 18 minutes off	Intermittent Operation MAX 2 minutes ON 18 minutes off	Intermittent Operation MAX 2 minutes ON 18 minutes off

SPECIFICATIONS

Guidance and manufacturer's declaration - electromagnetic emissions

The bed is intended for use in the electromagnetic environment specified below. The customer or the user of the bed should assure that it is used in such an environment.

Emissions Test	Compliance	Electromagnetic environment - guidance
RF emissions CISPR 11	Group 1	The bed uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.
RF emissions CISPR 11	Class B	The bed is suitable for use in all establishments other than domestic and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.
Harmonic emissions IEC 61000-3-2	Class A	
Voltage fluctuations / flicker emissions IEC 61000-3-3	Complies	

Recommended separation distances between portable and mobile RF communications equipment and the bed

The bed is intended for use in the electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of the bed can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the bed as recommended below, according to the maximum output of the communications equipment.

Rated maximum output power of transmitter W	Separation distance according to frequency of transmitter (m)		
	150 kHz to 80 MHz $d = 1.2 \sqrt{P}$	80 MHz to 800 MHz $d = 1.2 \sqrt{P}$	800 MHz to 2.5 GHz $d = 2.3 \sqrt{P}$
0.01	0.12	0.12	0.23
0.1	0.38	0.37	0.73
1	1.2	1.2	2.3
10	3.8	3.8	7.8
100	12	12	23

For transmitters rated at a maximum output power not listed above, the recommended separation distance d in meters (m) can be estimated using the equation applicable to the frequency of the transmitter, where P is maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer.

NOTE 1 At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies.

NOTE 2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

SPECIFICATIONS

Guidance and manufacturer's declaration - electromagnetic immunity			
The bed is intended for use in the electromagnetic environment specified below. The customer or the user of the bed should assure that it is used in such an environment.			
Immunity Test	IEC 60601 test level	Compliance level	Electromagnetic environment - guidance
Electrostatic discharge (ESD) IEC 61000-4-2	±6 kV contact ±8 kV air	±6 kV contact ±8 kV air	Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30 %.
Electrical fast transient/burst IEC 61000-4-4	±2 kV for power supply lines ±1 kV for input/output lines	±2 kV for power supply lines ±1 kV for input/output lines	Mains power quality should be that of a typical commercial or hospital environment.
Surge IEC 61000-4-5	±1 kV differential mode ±2 kV common mode	±1 kV differential mode ±2 kV common mode	Mains power quality should be that of a typical commercial or hospital environment.
Voltage dips, short interruptions and voltage variations on power supply input lines IEC 61000-4-11	<5 % UT (>95 % dip in UT) for 0,5 cycle 40 % UT (60 % dip in UT) for 5 cycles 70 % UT (30 % dip in UT) for 25 cycles <5 % UT (>95 % dip in UT) for 5 sec	<5 % UT (>95 % dip in UT) for 0,5 cycle 40 % UT (60 % dip in UT) for 5 cycles 70 % UT (30 % dip in UT) for 25 cycles <5 % UT (>95 % dip in UT) for 5 sec	Mains power quality should be that of a typical commercial or hospital environment. If the user of the bed requires continued operation during power mains interruptions, it is recommended that the bed be powered from an uninterruptible power supply or a battery.
Power frequency (50/60 Hz) magnetic field IEC 61000-4-8	3 A / m	3 A / m	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.
NOTE U _T is the a.c. mains voltage prior to application of the test level.			

SPECIFICATIONS

Guidance and manufacturer's declaration - electromagnetic immunity

The bed is intended for use in the electromagnetic environment specified below. The customer or the user of the bed should assure that it is used in such an environment.

Immunity Test	IEC 60601 test level	Compliance level	Electromagnetic environment - guidance
<p>Conducted RF IEC 61000-4-6</p> <p>Radiated RF IEC 61000-4-3</p>	<p>3 Vrms 150 kHz to 80 MHz</p> <p>3 V/m 80 MHz to 2,5 GHz</p>	<p>3Vrms</p> <p>3V/m</p>	<p>Portable and mobile RF communications equipment should be used no closer to any part of the bed, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter.</p> <p>Recommended separation distance</p> $d = 1.2 \sqrt{P}$ $d = 1.2 \sqrt{P} \quad 80 \text{ MHz to } 800 \text{ MHz}$ $d = 2.3 \sqrt{P} \quad 800 \text{ MHz to } 2,5 \text{ GHz}$ <p>Where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and d is the recommended separation distance in meters (m).</p> <p>Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey, ^ashould be less than the compliance level in each frequency range. ^b</p> <p>Interference may occur in the vicinity of equipment marked with the following symbol:</p> 

NOTE 1 At 80 MHz and 800 MHz, the higher frequency range applies.

NOTE 2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

^a Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the bed is used exceeds the applicable RF compliance level above, the bed should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as re-orienting or relocating the bed

^b Over the frequency range 150 kHz to 80 MHz, field strengths should be less than 1 V/m.

USER MANUAL



PX150 & PX200 EMERGENCY FIELD BEDS

CONTACT INFORMATION:

OAKWORKS® Inc.

923 East Wellspring Road
New Freedom, PA 17349

Phone: 717-235-6807

FAX: 717-235-6798

www.oakworksmed.com



Intertek

3034177

CONFORMS TO:
ANSI/AAMI STD ES60601-1
IEC STD 60601-1 3RD EDITION
IEC STD 60601-1-2 3RD EDITION
IEC STD 60601-1-6 3RD EDITION
CERTIFIED TO CAN/CSA STD C22.2 NO. 60601-1
CB TEST CERTIFICATE AND REPORT

Manual Part Number Med-RA-PM-146

Revision level: 2

Revision Date: 04/23/2020

English, Printed in USA

