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This product is medical device.

Make sure to read this user manual before using.

This user manual is to assure proper installation and use.

Pay attention to read this user manual in order to making the best use of this product and to assure the prolonged lifespan before using.

Specially, pay attention the contents with marks such a and







<User>

· Qualified Professional

<Intended purpose>

- Engine that power the implant handpiece in dental implant procedure.
- The X-CUBE is intended for use in dental surgery, implantology, maxilla-facial surgery and endodontics for treatment of dental hard tissue and mechanical rotating root canal preparation.

<Classification of equipment>

- · Type of protection against electric shock: Class I equipment
- · Degree of protection against electric shock: Type B applied part
- · Classification according to the degree of protection against ingress of water as detailed in the current edition of IEC 60529
- Control Box: IPX 0
- Foot Controller: IPX 8
- · Not suitable product in the atmosphere that exist flammable anesthetic mixture with air or with oxygen.
- User sterile product (non-sterile product at shipment)
- · Classification according to mode of operation: Intermittent operation
- · Applied parts : Bur

<Use time>

· Loading time: 2 minutes

· Resting time: 15 minutes

USER GUIDELINES

CAUTION

- Please pay attention to the use considering the patient's safety first of all.
- Check condition of the product before use.
- Stop to use and inspect the product when an abnormal sign such as calescence, vibration or noise occurs before or during operation.
- Please contact manufacturer if cannot find reason of problem, or cannot solve the problem.
- Prepare extra consumables before use for safety because blood or physiological saline might flow into the head of the angle handpiece.
- Change or insert bur after the motor is completely stopped. Otherwise, inside of the angle could be damaged by bur, and it could cause an accident.
- Please sterilize and lubricate the angle handpiece right after use. Otherwise, the product could be damaged
 due to coagulation of blood inside the product.
- The control box and foot controller are not steam sterilization objects.
- The input power is available at AC 100-120V / 220-240V (Check input voltage before connecting the AC power.)
- Dispose the irrigation tube as a medical waste after use.
- Contact manufacturer if incorrect display is on the screen.
- Do not drop or give a strong impact to the product.
- Do not give any damage to irrigation tube, it will not work normally due to the tube is broken or taken off.
- Do not insert oil into BLDC motor. It will damage bearing or cause calescence.
- The product is designed to be used indoor, do not use outdoor.
- Do not use the product in humid or dusty environment.
- Use the regulated products and consumables by manufacturer. Otherwise there might be a risk of an accident or failure.
- Replace the motor cord immediately when it is worn out or damaged to prevent electric shock for user or patient.
- Specification and design of product can be changed to improve quality of product.
- User has responsibility to operate and maintain the product.
- The company did not sterilize the product. Please be sure to sterilize before operation. (User sterilization)
- US Federal law restricts this device to sale by or on the order of a dentist.



WARNING

- Please watch old person, children, or disabled person near the place that the product is installed. If so, do not let them alone.
- Do not drop or damage the angle handpiece. In case of malfunction, dropping, or dropping in water, do not
 use it and contact the manufacturer. (It may cause vibration of bur, overheating, or damage of the bearings.)
- The equipment is automatically stopped when the machine load is higher than Torque value.
- Do not damage or drop the LCD part of the control box.

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PROHIBITION

- Do not use damaged or broken power cord, plug, and outlet. It may cause fire and electric shock.
- When unplug the power cord, hold the plug and do not touch with wet hand.
 Do not use loose power cord, it may cause electric shock and fire.
- Do not damage to power cord (do not bend too hard, do not put heavy objects on it). It may cause electric shock and fire.
- Unauthorized modification and dismantling is prohibited.
- Do not use the solvent such as thinner or benzene for cleaning.
 - * Be careful not to drop liquid on control box.
 - * Do not wipe the control box (membrane) with wet fabric.
- Do not place the product near heat equipment, and do not put candles or cigarette on it.
- Please use a grounded plug. Contact to electrician or manufacturer to ask how to grounding.
- Be sure to use designated bur by ISO 1797.
- Follow the instruction manual by manufacturer of bur to use bur.
- Keep the recommended speed limit by manufacturer of bur to use bur. If exceed the speed limit, it might
 cause an accident.
- The product must be used by specialist or expert. If not, patient might get burn or damage by improper use.
- Do not use the product to patient with cardiac pacemaker because the product may disturb the performance of cardiac pacemaker.
- If patient is taking antibiotics, patient needs to consult with doctor before operation.
- Keep away from fire or heat when using spray containing flammable material.
- Manufacturer does not have any responsibility for defects or loss of property in cases below.
 - 1. User did not follow the instruction manual to use the product.
 - 2. Used the product in the place of unregulated wire condition.
 - 3. Unauthorized person repaired or assembled the product.
 - 4. Did not follow the instruction manual to keep the product.



PRODUCT FEATURES & ACVANTAGES

<BLDC motor designed by SAESHIN's own technology and know-how

- Provide the optimized performance by BLDC motor (0~50,000rpm) and Angle handpiece of several kinds.

* RPM

1:4	1:5	1:1	16:1	20:1	27:1	32:1	64:1
200,000rpm	250,000rpm	50,000rpm	3,100rpm	2,500rpm	1,850rpm	1,560rpm	780rpm



* The free-running speed of the handpieces shall be in accordance with the manufacturer's instructions at a tolerance of ±10 % as specified. (Refer to ISO 14457)

* Torque

1:4	1:5	1:1	16:1	20:1	27:1	32:1	64:1
**N·cm	**N·cm	**N·cm	5~50N·cm	5~55N·cm	5~60N·cm	5~65N·cm	5~65N·cm

* Gear Ratio: 1:4, 1:5, 1:1, 16:1, 20:1, 27:1, 32:1, 64:1

<Program memory function?

- 9 programmable memories for setting speed, gear ratio, torque, rotating direction, irrigation pump.

<Automatic overload protection function>

- If the load on the bur is higher than set torque, the motor is stopped automatically.
- For releasing the overload function, Release the foot controller.

<Realtime RPM, TORQUE view system>

- Actual RPM and Torque value are displayed on the screen. It makes user can do more delicate operation.

<Ergonomic foot controller>

- Foot controller is designed ergonomically to control all the functions. And it provides high convenience.

<Motor Auto-calibration function>

- Motor auto-calibration function is that control box check the angle handpiece status to reconcile speed
 and torque that user wants with angle handpiece for accurate and safe operation.
- 1. Set the program number at '0'. The program changes to calibration mode.
- 2. Push the foot controller to the end. The calibration starts and the display show the calibration process.
- During normal operation, the calibration will be completed after 5~10 seconds with 'Success! Calibration OK' on the screen and beep sounds.
- 4. When it is completed, Use the product.



- * The function is set up when the product is released by manufacturer and Use the function when user repair or change the product.
- * Program 0 is the only for auto-calibration function, so the memory function or other setting value does not work.

PRODUCT COMPONENTS

* Please check all components are included.

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5		13	
6	2	14	O'
7		15	
8			

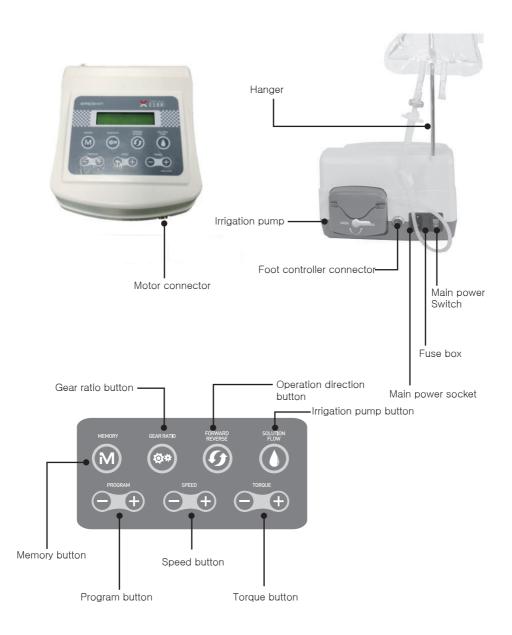
No.	Component	No.	Component
1	CONTROL BOX	9	INTERNAL SPRAY NOZZLE(Option)
2	ANGLE HANDPIECE	10	MOTOR CAP (For sterilization of motor)
3	BLDC MOTOR	11	SPANNER FOR ANGLE
4	FOOT CONTROLLER	12	TUBE HOLDER
5	MOTOR STAND	13	TUBE CLAMP
6	HANGER	14	AC POWER CORD
7	7 IRRIGATION TUBE		Y-Tube (Option)
8	A-SLEEVE		



- Saline solution is not included in a set.
 Irrigation tube and Y-Tube are disposable, Do not use them again.



PART NAME OF CONTROL BOX



BUTTONS ON THE OPERATION PANEL

PROGRAM



Program button

: Use for selecting the set program number. (+) button for 1 stage up and (-) button for 1 stage down.

SPEED



Speed button

- : Use for setting the speed (RPM).
- (+) button for 1 stage up and (-) button for 1 stage down. Keep pressing speed button to change the stage rapidly.
- * The setting range of speed is different from the gear ratio.

TORQUE



Torque button

- : Use for setting the torque according to the various use such as drilling or tapping.
 - (+) button for 1 stage up and (-) button for 1 stage down.
- * The setting range of torque is different from the gear ratio.

MEMORY



Memory button

: Keep pressing memory button after completed setting. Then the condition is memorized with beep sound.

GEAR RATIO



Gear ratio button

: Use for setting the gear ratio of the angle handpiece.

FORWARD REVERSE



Operation direction button

: Use for selecting the forward or reverse direction. The beep sound is heard during rotation in reverse direction.

SOLUTION FLOW

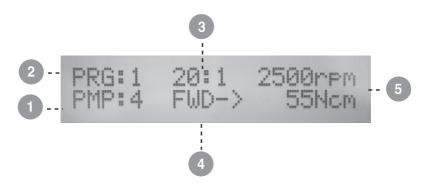


Irrigation pump button

: Use for setting the irrigation volume in 5 levels (from 0 to 75ml).

Irrigation level	Water Pump
0	0 ml/min
1	abt. 45 ml/min ±20%
2	abt. 55 ml/min ±20%
3	abt. 65 ml/min ±20%
4	abt. 75 ml/min ±20%

LCD WINDOW



1. Irrigation volume display

: It shows the selected irrigation level. There are 5 levels. Level 0 is no volume and level 4 is maximum 75ml/min.

2. Program number display

: 9 programmable programs set from 1 to 9. And it shows program 1 at every power on.

3. Gear ratio display

: It shows the selected gear ratio number.

4. Direction display

: It shows the selected direction.

5. Speed / Torque display

: It shows preset RPM and preset Torque when Motor is stopped. It shows running RPM and running Torque when Motor is running.

Motor stops running automatically and occurs error when running Torque reaches preset torque. For releasing the overload function, release the foot controller.



* Impact to device and drop the device may cause breakage of LCD.

BUTTONS ON THE FOOT CONTROLLER



1. Program button

: Select the program. Each press increases 1 stage.

2. Not in use currently

3. Operation direction button

: Select the operation direction.

4. Irrigation pump button

: Set the irrigation volume. Each press increases 1 stage.

5. Speed control pedal

: Press and release the foot controller to control the motor speed.

CONNECTION OF EACH PART



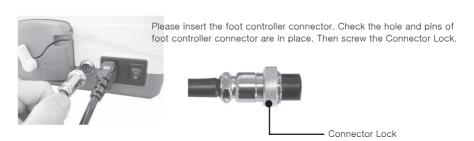


* When connect the motor and foot controller, please make sure the power is off. (Otherwise, it might cause malfunction.)

1 Motor Cord Connection



2 Foot Controller Connection

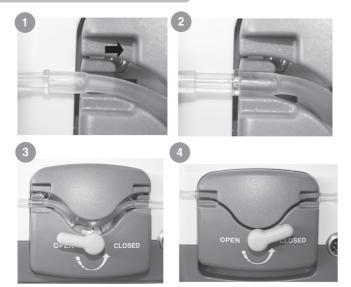


3 Power Cord Connection



Insert the power cord into the power socket in the back of control box.

4 Irrigation Tube Connection



Turn the open-close knob clockwise in the back of control box, and pump cover opens and can see the space between the covers. Then insert the irrigation tube into the space.

Turn the knob counter clockwise igcup igcup ig) until closing pump cover.

5 Bottle Setting



Put the hanger into the hanger hole in the back of control box. Hang the saline solution pack on the hanger.

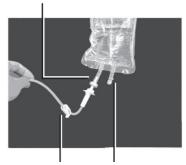
6 Irrigation Tube Insertion

Insert the irrigation tube needle to the bottle in place with the bottle downward. Lock the irrigation stopper and put it between the irrigation tube needle and bottle.



* If the pump operates while the tube is bent or the water does not come out, the tube may be broken or damaged.

Irrigation tube needle







Please operate product after put the irrigation tube into the groove on the bottom of control box.



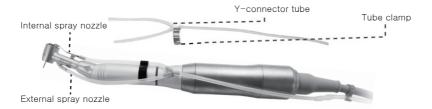
Do not install the irrigation tube on the control box or beside of the membrane. It may cause the damage of product.



Correct installation

Incorrect installation

7 Irrigation Nozzle Connection

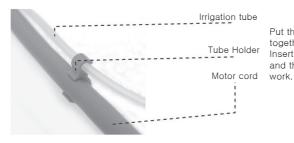


The internal and external irrigation are available by the Y-connector tube. Connect the accessories like the picture according to the using bur and surgery type.



* If the user did not remove the internal spray nozzle and press the button or open the lever when replace the bur, the nozzle may be damaged.

8 Tube Holder Connection



Put the motor cord and irrigation tube together with tube holders. Insert the tube holder to the motor cord and then put the irrigation tube for easy work

OPERATION PROCESS

(1) Turn on the main switch.

Product remains as standby mode having memory in Program 1 like below picture when power on.

PRG:1 20:1 2500rpm PMP:4 FWD-> 55Ncm

(2) Choose the program.

Press the bottom of the left side button **P** on the foot controller or button on the control box, the program changes by 1 stage. Select the program that user want to use.

If press the **P** button on the foot controller when the program is selected program 9, it returns to program 0.

(3) Check the setting.

Check the display on LCD box to make sure the setting is correct.

(4) Start the Operation.

The motor starts to rotate after press the speed control pedal. It runs at low speed with light press and at high speed with heavy press by the set speed in max. If the irrigation mode is on, the irrigation pump operates too.

(5) Overload protection function.

If the load exceeds the set torque during the operation, the overload protection function works not to generate the extra torque.

(6) Stop the operation.

The operation is stopped when user takes foot off the speed control pedal.

(7) Change the operation direction.

Press the button on the foot controller or button on the control box to reverse direction. In reverse direction mode, the device will sound beep sound, and it continues during the operation. (If one more press the button, it is changed to forward direction mode.)

* Program Setting

X-CUBE has 9 programmable memories in conditions below

Set the gear ratio - speed - torque - operation direction - irrigation pump. And press the memory button.

ex)

	Ø#		SPEED +	TORQUE	9	0	M
PRG		20:1	2500rpm	10 N·cm	FWD	PMP : 4	Complete
PRG		32:1	1560rpm	15 N·cm	FWD	PMP : 2	Complete

* Error and Remedy

If the motor is stopped due to the overload, user's error and etc., circuit safety system cuts the power supply and shows an error code on LCD window.

Indication	Cause & Remedy
Warning! Torque LIMIT.	In case that the actual torque reaches preset torque and keeps it more than 2 seconds. Remedy: Release the foot controller.
Warning! Motor Connect Check!	- In case that the motor is not connected properly. - Remedy: Make sure to connect Motor properly. Press the foot controller. If the remedy does not work, contact the manufacturer.
Warning! Foot Switch Check!	In case that the foot controller is not connected properly. Remedy: Make sure to connect the foot controller. Press the foot controller. If the remedy does not work, contact the manufacturer.

MAINTENANCE OF THE PRODUCT

* Fuse Change



Check the fuse if the control box doesn't work. Contact your dealer.

* Cleaning / Sterilization / Lubrication

1. Cleaning

■ Angle Handpiece

- ① Rotate the head in a tap water about 10 seconds with maximum speed to remove the remains (blood, physiologic saline solution, etc.) and rinse.
 - * Do not put the tap water in the motor.
- 2 Disconnect the angle handpiece to the motor.
- ③ Remove contaminants on the angle handpiece using a nylon brush after soaking for 20 minutes in Enzymatic Detergent.
- (4) Rinse the angle handpiece using the tap water for 3 minutes to remove Enzymatic Detergent.
- ⑤ Wash the angle handpiece for 10 minutes in the ultrasonic cleaner containing Enzymatic Detergent.
- ® Rinse the angle handpiece for 3 minutes in the ultrasonic cleaner containing purified water repeatedly subjected 3 times. (Change the purified water each time.)
- ① Wipe using dust-absorbent after the product soaked in alcohol(70%) for 30 seconds.

Motor

Wipe the surface of motor with alcohol swab or paper towel after removing the dirt.

* Pay attention to not enter the water into the motor.

2. Sterilization

Sterilization part list

- · Angle handpiece
- Motor (assembling with the motor cap)

Sterilization method

- 1) Dry the applicable products completely after cleaning.
- 2 Put the applicable products in a sterile bag and seal tightly.
 - * Make sure to assemble the motor cap for autoclave on the motor.
 - * Do not disassemble the motor and motor cord when sterilizing.

③ Put the sterile bag in the sterilizer and sterilization for 4 minutes with 132°C, and let it dry for 30 minutes.

Sterilization	Temperature	Time	Dry
Moist heat sterilization	132℃	4 minutes	30 minutes



- * Maximum sterilization number is 250 times.
- * Make sure to use the sterilization bag and seal tightly.
- * Make sure to dry the applicable products before sterilization.
- * Motor could be damaged in sterilization because of the moisture inflow or else, so should be careful to handle it.
- * Sterilizing the angle handpiece with blood or other remains may cause the breakage of the angle handpiece. Therefore, it is necessary to clean the angle handpiece before sterilization.
- * Irrigation tube and Y-connector are disposable. Do not use them again.

3. Lubrication

Lubrication product list

· Angle handpiece

Lubrication method

- Refer the angle handpiece manual.



* Do not insert the oil into the motor. It damages the bearing or causes fever.

ATTENTION

1. Please read the notice below before operating X-CUBE.

- 1) Check the connection of every cords and correct operation when power-on.
- 2) Check the earth connection is safe.
- 3) Make sure to check the contact part to patient.
- 4) Check the voltage.
- 5) Check the sterile condition of autoclavable parts.

2. Please read the notice below during X-CUBE use.

- 1) Check the status of product and patient constantly during the surgery.
- When product or patient has any problem, stop the operation in condition of patient's safety or take proper action.
- 3) Do not let patient to approach the product.

3. Please read the notice below after operating X-CUBE.

1) Do not put any physical pressure on the power cord, motor cord and foot controller cord.



PRODUCT SPECIFICATION

1. Control box



Model name	X-CUBE
Input	AC 100-120V / 220-240V
Fuse	5A / 2A
Frequency	50 / 60 Hz
Output	48VA
Maximum irrigation volume	Max. 75 mℓ/min ± 20%

2. Handpiece

Lever type

Button type





Name	ACL-41I	ACL-42I	ACL-43I	ACL-45I	ACL(B)-411	ACL(B)-42I	ACL(B)-431	ACL(B)-451	ACL(B)-611	ACL(B)-621	ACL(B)-631	ACL(B)-651
Gear ratio	20:1	16:1	64:1	32:1	20:1	16:1	64:1	32:1	20:1	16:1	64:1	32:1
Bur replacement type	Lever type			Button type								
Bur dimension	CA bur (Ø 2.35)											
Coupling dimension	Standard dimension of dental handpiece (ISO 3964)											

3. Motor



Model name	FORTE 100αEI
RPM	50,000

4. Foot controller



١	Model name	X-CUBE Foot controller
t	Classification according to the degree of protection against ingress of water (IEC 60529)	IPX 8

WARRANTY

SAESHIN guarantees out product for 1 year from invoice date, and product warranty means that SAESHIN has responsibility of defective material or operation failure. The product warranty does not cover user's misuse, wrong installation, inappropriate maintenance and repair, and normal wear of consumables such as bearings, spindle, gear, and rotator. To check the warranty requires the operating condition, environment information, serial number of the product and stamped invoice. The warranty will be performed as repairs or exchanges by manufacturer's judgement and analysis of product.

Exception of warranty

User's misuse or improper use and treatment
Use the product with incorrect input voltage (AC voltage)
Drop the device during setting, moving, using
Use the not recommended consumables or accessories
Malfunction after repairing the product at the not recommended repair shop
Normal wear of the consumables such as ball bearing, gear, chuck, spindle case ass'y, rotator etc.
Faulty by Act of God

Foreign Language Manual Support

This manual is basically offered in Korean and English. But, if other countries need manual with their own language, we can offer the manual with relevant language.

- 1) The translated manual will be supplied by manufacturer on demand.
- We will send the translated manual with English manual to the import company to check the translated manual.
- After we get the feedback from the import company, we will offer final version of the manual.

	Temperature (℃)	10~35	
Operating condition	Relative humidity (%)	10~80	
	Atmospheric pressure (hPa)	700~1,060	
	Temperature (℃)	-20~60	
Transport and Storage condition	Relative humidity (%)	10~90	
	Atmospheric pressure (hPa)	500~1,060	



ELECTROMAGNETIC COMPATIBILITY INFORMATION

In IEC 60601-1-2:2014/AMD1:2020. These limits are designed to provide reasonable protection against harmful interference in a typical medical installation. This equipment generate, use and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to other devices in the vicinity. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to other devices, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving device.
- Increase the separation between the equipment.
- Connect the equipment into an outlet on a circuit different from that to which the other device(s) are connected.
- Consult the manufacturer or filed service technician for help.

(1) Electromagnetic Emissions

Emission test	Compliance	Electromagnetic environment - guide	
RF emission – CISPR 11 EN 55011	Group 1	X-CUBE uses RF energy for internal operation. Therefore, its radiofrequency emissions are very low and are not likely to cause any interference in nearby equipment.	
RF emission – CISPR 11 EN 55011	Class A		
Harmonic emission – IEC 61000-3-2 EN 61000-3-2	Class A	X-CUBE is suitable to use in all establishments, including domestic establishments and those directly connected to the public low voltage power supply network	
Voltage fluctuations Flicker emission – IEC 61000-3-3 EN 61000-3-3	Compliance	that supplies buildings used for domestic purposes.	

(2) Electromagnetic Immunity

Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment – guidance
Electrostatic discharge (ESD) IEC 61000-4-2 EN 61000-4-2	±6kV contact ±8kV air	±6kV contact ±8kV 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 transients IEC 61000-4-4 EN 61000-4-4	±2kV for power supply lines ±1kV for input/output lines	±2kV for power supply lines ±1kV for input/output lines	Mains power quality should be that of a typical commercial or hospital environment.
Surges IEC 61000-4-5 EN 61000-4-5	±1kV differential mode ±2kV common mode	±1kV differential mode ±2kV common mode	Mains power quality should be that of a typical commercial or hospital environment.
Voltage dips, short interruptions and voltage variations IEC 61000-4-11 EN 61000-4-11	<5% UT (>95% dip in UT) for 0.5 cycle 40% UT (60% dip in UT) for 6 cycles 70% UT (30% dip in UT) for 30 cycles <5% UT (>95% dip in UT) for 50 for	<5% UT (>95% dip in UT) for 0.5 cycle 40% UT (60% dip in UT) for 6 cycles 70% UT (30% dip in UT) for 30 cycles <5% UT (>95% dip in UT) for 5s	Mains power quality should be that of a typical commercial or hospital environment. If the user requires continued operation during power mains interruptions, it is recommended that the X-CUBE got power from an uninterruptible power supply or battery.
Power frequency (50/60Hz) magnetic field IEC 61000-4-8 EN 61000-4-8	3A/m	3A/m	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.

(3) ELECTROMAGNETIC IMMUNITY / RADIOFREQUENCY MOBILE EQUIPMENT

Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment - guidance
Conducted RF IEC 61000-4-6 EN 61000-4-6	3 Vrms 150 kHz to 80MHz	3 Vrms	Portable and mobile RF communication sequipment should be used no closerto any part of the X-CUBEncluding cables, than the recommended separation distance-calculated from the equation applicable to the frequency of the transmitter.
Radiated RF IEC 61000-4-3 EN 61000-4-3	3 V/m 80 MHz to 2.5GHz	3 V/m	Recommended separation distance $d=1.2~\sqrt{P}$ $d=1.2~\sqrt{P}~80MHz~to~800MHz$ $d=2.3~\sqrt{P}~800MHz~to~2.5GHz$ Where 'P' is the maximum output power rating of the transmitter in watt (W) according to the transmitter manufacturer, and 'd' is the recommended separation distance (m). The electromagnetic field strength of fixed radiofrequency emitters, which is determined by an electromagnetic environment measurement (a), must be less than the compliance level in each frequency range (b). Interference may occur near equipment marked with the symbol below: $\left((\bullet) \right)$

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

Note 2: These specifications may not be applicable in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and persons.

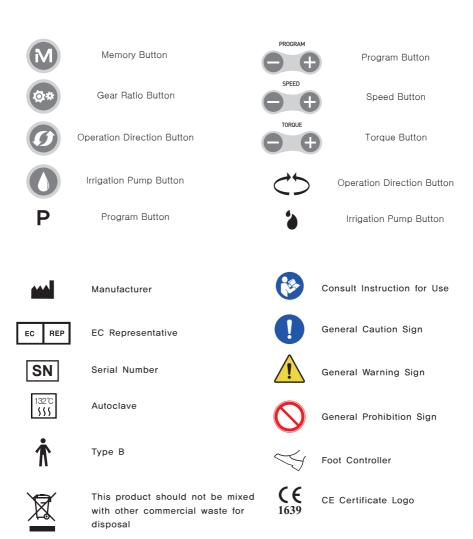
(a): The electromagnetic field strength of fixed radiofrequency emitters, such as base stations for mobile telephones (cellular / cordless), mobile radio, AM/FM radio broadcasts and TV broadcasts cannot be determined exactly by theory.

To assess the electromagnetic environment due to fixed radiofrequency emitters, an electromagnetic environment measurement must be made. If the measured radiofrequency field strength in the immediate environment where the product is used exceeds the compliance level specified above, the performance of the product must be tested to verify whether it conforms to the specification. If abnormal performance is observed, additional measures may be necessary, such as reorienting or relocating the product.

(b): In the 150 kHz to 80 MHz frequency range, the electromagnetic field strengths must be less than 3V/m.

Cables and accessories	Maximum length	Shield	Complies with
Micromotor with Motor cord	2M	Unshielded	RF emissions, CISPR11 : Class A / Group 1
Foot controller with cord	1.8M	Unshielded	Harmonic emissions : IEC 61000-3-2 / EN 61000-3-2
AC power cord	1.6M	Unshielded	Voltage fluctuations / flicker emissions : IEC 61000-3-3 / EN 61000-3-3
			Electrostatic discharge (ESD) : IEC 61000-4-2 / EN 61000-4-2
			Electrical fast transient/burst : IEC 61000-4-4 / EN 61000-4-4
			Surge : IEC 61000-4-5 / EN 61000-4-5
			Voltage dips, short interruptions and voltage variations on power supply input lines : IEC 61000-4-11 / EN 61000-4-11
			Power frequency (50/60Hz) magnetic field : IEC 61000-4-8 / EN 61000-4-8
			Conducted RF : IEC 61000-4-6 / EN 61000-4-6
			Radiated RF : IEC 61000-4-3 / EN 61000-4-3

SYMBOL



Non sterile

MEMO

MEMO	

MEMO



This product is the medical device.







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