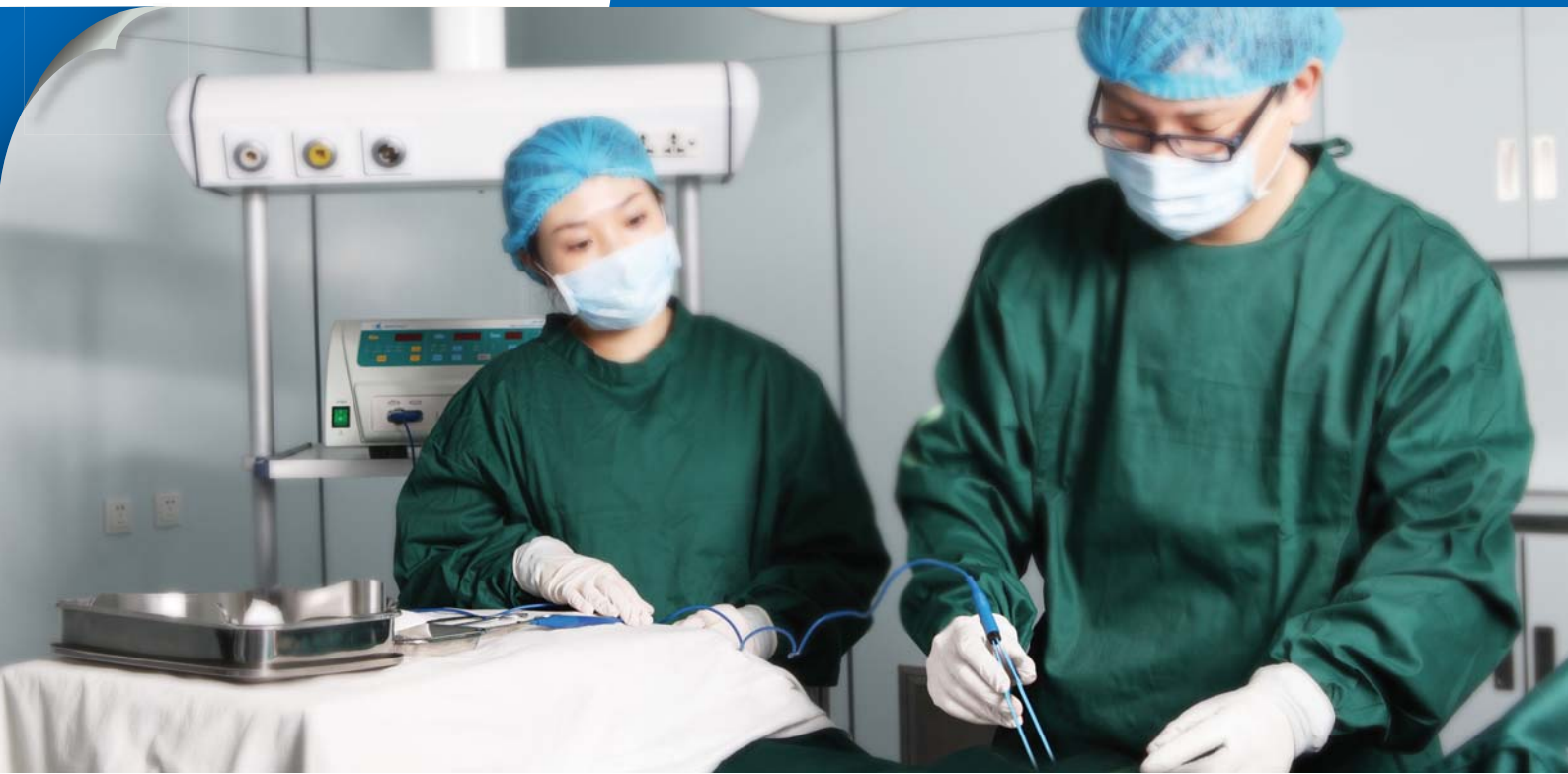




Heal Force

EB03

Electrosurgical generator
For standard and under-water electrosurgery



**Electrosurgery
of Sophisticated Versatility**

Heal Force leads you to healthier life

Product overview

New EB03 electro-surgical generator comes up with two version "Grey" and "White".

The twin systems allow for the same mono & bipolar working modes but with different power range.

She has integrated 7 different monopolar and bipolar modes, tissue responding and automatic return electrode monitoring to give intuitive indication of potential burn risk, which enables highly efficient and safe surgical cutting and coagulation through all types of tissue.



EB03 (GREY, 350W)

Features

↙ Smaller footprint

The new EB03 has optimized the structural design and reduced weight and volume both by 50%, easily mounted onto the support tray of ceiling pendant for endoscopic application.

↙ Splash-proof design

The "arrow" shaped front design separates working area from accessory connections. Thanks to its slightly folded edge, any liquid onto the control panel will never reach into the power socket underneath if accidental splash happens in operating theatre.

↙ Separate control and measurement

Front panel of new EB03 consists of two differently sloped areas, 130 ° sloped "Measurement area" and 160 ° sloped "Control area", to provide operator great physical comfort when they setup or adjust power setting, and observe the power measurement and neutral electrode's contact situation from an ergonomic viewing angle and height.

↙ Surgical smoke evacuation (optional)

Heat-producing surgical methods (like electro-surgery or laser) mostly bring surgical smoke that contain hazardous (like acrylonitrile and hydrogen cyanide) which may blur surgical vision (especially for procedures into cavity) and cause harm to respiratory systems of patients, surgeons or operating theatre staff.

↙ Tissue impedance based power output

Resistance from nerve, muscle, adipose tissue and bone to electrical circuits vary.

Impedance response technology in EB03 electro-surgical system measures the tissue resistance then automatically adjust power output under preset range, to optimize real cutting or coagulation performance, which makes EB03 system qualified for wide range of applications, from various open surgeries to minimal-access procedures, as well as under-water operation in Gynaecology and Urology.



EB03 (WHITE, 150W)

Electrosurgical Accessories

*All specifications and figures are subject to change without notice

Order No.	Description
7SB-150100-00S	Hand-control pencil, Disposable
7SB-150102-00S	Foot-control pencil, Disposable
7SB-150105-00R	Hand-control pencil, Reusable
7SB-150107-00R	Foot-control pencil, Reusable

Disposable	Reusabile	Description
7DJ-150110-00S	7DJ-152110-00R	Blade, Shaft 70mm
7DJ-150112-00S	7DJ-152112-00R	Angled Blade, Shaft 70mm
7DJ-150120-00S	7DJ-152120-00R	Needle, Shaft 70mm
7DJ-150122-00S	7DJ-152122-00R	Angled Needle, Shaft 70mm,
7DJ-150115-00S	7DJ-152115-00R	Extended Blade, Shaft 130mm
7DJ-150125-00S	7DJ-152125-00R	Extended Needle, Shaft 130mm,
7DJ-150130-00S	7DJ-152130-00R	Ball (Φ2mm), Shaft 70mm
7DJ-150140-00S	7DJ-152140-00R	Ball (Φ3mm), Shaft 70mm
7DJ-150150-00S	7DJ-152150-00R	Ball (Φ4mm), Shaft 70mm
7DJ-150160-00S	7DJ-152160-00R	Ball (Φ5mm), Shaft 70mm
7DJ-150145-00S	7DJ-152145-00R	Extended Ball (Φ3mm), Shaft 130mm
7DJ-150165-00S	7DJ-152165-00R	Extended Ball (Φ5mm), Shaft 130mm
7DJ-150132-00S	7DJ-152132-00R	Angled Ball (Φ2mm), Shaft 70mm
7DJ-150142-00S	7DJ-152142-00R	Angled Ball (Φ3mm), Shaft 70mm,
7DJ-150152-00S	7DJ-152152-00R	Angled Ball (Φ4mm), Shaft 70mm
7DJ-150162-00S	7DJ-152162-00R	Angled Ball (Φ5mm), Shaft 70mm

Disposable	Reusabile	Description
7RB-EB03JB-005	7JB-150670-0DR	Adult Return Electrode whitout cable, Split
7RB-EB03JB-006		Pediatric Return Electrode whitout cable, Solid
7RB-EB03JB-007	7JB-150660-0SR	Adult Return Electrode whitout cable, Solid
7RB-EB03JB-008		Pediatric Return Electrode whitout cable, Split
7LX-150602-0DS	7LX-190305-0DR	Cable for split return electrode
7LX-150602-0SS	7LX-190305-0SR	Cable for solid return electrode
	7JB-EB0351-002	Steel return electrode
	7NZ-310180-100	Bipolar forceps (TIP 1mm/Size 200mm)
	7LX-190110-00R	Cable for bipolar forceps, Length 3m
	NGD-020	Foot switch
	7BZ-HFSUTC-001	Optional cart for EB03



Technical specification

Monopolar				
Cutting mode	Max. power output (watts)	Load (ohms)	Open circuit Vp-p	Crest factor
Pure	350w (grey) / 150w (white)	500 Ω	1,800 v	1.5
Blend1	300w (grey) / 120w (white)	500 Ω	2,700 v	1.9
Blend2	200w (grey) / 80w (white)	500 Ω	2,400 v	2.3
Blend3	150w (grey) / 60w (white)	500 Ω	2,900 v	3.1
Coagulation mode				
Point	100w (grey) / 70w (white)	500 Ω	4,600 v	4.5
Soft	100w (grey) / 70w (white)	500 Ω	3,600 v	4.5
Bipolar				
Coagulation mode				
Standard	50w (grey) / 50w (white)	100 Ω	240 v	1.5

Other

Interface sockets for	
Finger-switch pencil	1
Foot-switch pencil	2
Patient return electrode	1
Bipolar forceps	1
Foot-switch	1
AC power supply	1
Equipotential bonding	1
Surgical smoke evacuator	1 (but smoke evacuator is optional)
Power feature	
Rate frequency	512 kHz (110/240vAC, 60/50Hz)
Isolated output	YES
Quantitative display of contact area	YES, for "Split" type of neutral electrode
Contact area indicator lamp	10 lamps (one for 10% contact), alarm beep and flicker if less than 20%
Split/solid neutral electrode definition	YES, "Split" or "Solid" indicator lamp lights up
Adjustable alarm volume	YES
Operational duty cycle	10 seconds ON, 30 seconds OFF
Cooling method	Convection
Regulation	
Type according to EN 60601-1	CF
Protection class to EN 60601-1	class I
Classification acc.to MDD 93/42/EEC	IIB
Physical	
Dimension (WxDxH)	330 x 450 x 150 mm
Weight	7.0 kg



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