



ECUT 400S
Electrosurgical unit





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ECUT 400S electro-surgical generator system performs mono & bipolar working modes with different power ranges.

The 7 integrated different mono-polar 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 surgical procedures.

- Isolated power output
- Quantitative display of contact area for „Split“ type of neutral electrode
- Contact area indicator lamp
- Adjustable alarm volume

POWERFUL FEATURES

Compact Design

The Ecut 400S benefiting from a structural design and light weight make it mountable on support tray of ceiling pendant for endoscopic application.

Control and measurement

Front panel of Ecut 400S 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.

Smoke evacuation (optional)

Heat-producing surgical methods (like electrosurgery 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.

Auto-power

Resistance from nerve, muscle, adipose tissue and bone to electrical circuits vary. Impedance response technology in Ecut 400S electrosurgical system measures the tissue resistance then automatically adjust power output under pre-set range, to optimize real cutting or coagulation performance, which makes Ecut 400S 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.

ECUT 400S HAS VARIETY OF ACCESSORIES

Controls and Switches

- Finger-switch pencil
- Foot-switch pencil
- Bipolar forceps without cable, bayonet-shaped
- Connecting cable for bipolar forceps, 3m
- Foot-switch for foot-switch pencil and bipolar forceps

Electrodes

- Blade electrode, 70mm shaft
- Needle electrode, 70mm shaft
- Ball electrode (Ø 3mm), 70mm shaft
- Square loop, W*H=10*7mm, 130mm shaft
- Semi-round loop, W*H=10*10mm, 130mm shaft
- Conization electrode, 130mm shaft, large

Patient return electrode

- Steel return electrode reusable
- Patient return electrode without cable, split type, for Adult disposable
- Patient return electrode without cable, split type, for Adult Reusable
- Patient return electrode without cable, solid type, for Adult disposable
- Patient return electrode without cable, split type, for Children disposable
- Connecting cable for disposable patient return electrode (split type), 3m
- Connecting cable for disposable patient return electrode (solid type), 3m
- Connecting cable for reusable patient return electrode (split type), 3m

Other accessories

- Mobile cart
- Surgical smoke evacuator
- Cable for connecting electrosurgical unit and endoscopy
- Adaptor for thick or thin pin-leg to electrosurgical unit, Ø 7mm to Ø 6.3mm
- Adaptor for thick or thin pin-leg to electrosurgical unit, Ø 8.5mm to Ø 6.3mm



TECHNICAL SPECIFICATIONS ECUT 400S | SternMed ESU

MONOPOLAR					
CUTTING MODE	MAX. POWER OUTPUT (WATTS)	LOAD (OHMS)	OPEN CIRCUIT VP-P	CREST FACTOR	
Pure	350W	500	1,800 / 1,200v	1.5	
Blend1	300W	500	2,700 / 2,000v	1.9	
Blend2	200W	500	2,400 / 1,700v	2.3	
Blend3	150W	500	2,900 / 3,000v	3.1	
COAGULATION MODE					
Point	100W	500	4,600 / 3,900v	4.5	
Soft	100W	500	3,600 / 3,300v	4.5	
BIPOLAR					
COAGULATION MODE					
Standard	50W	100	500v	1.5	
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),				
Split/solid neutral electrode definition	alarm beep and flicker if contact < 20% 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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