



ZEUS SERIES

ELECTROSURGICAL UNIT



Utmost Safety and Reliability.
Thanks to an Advanced Safety Concept.



ARGON-Z

Feature









- Convenient LCD display on the front plate.
- Resection and coagulation by Argon Twin Button Handle.
- Foot switch is available for cutting and coagulation.
- 9 storages are available by using user storage function.
- Even coagulation by contactless coagulation.
- Small carbonization and almost none sticking.
- Fast hemostasis, when massive bleeding.
- Easy and clean range of vision due to small smoke.



ARGON-Z Specification

| | | | |
|-------------------|--|---------------------------|-----------------------|
| Rated Voltage | AC100V - AC240V | Minimum Purity of Argon | 99.998% |
| Rated Frequency | 50Hz / 60Hz | Argon Gas Flow, CUT | 0.1 l/min ~ 9.9 l/min |
| Power Consumption | 50VA + 10% | Argon Gas Flow, COAG. | 0.1 l/min ~ 9.9 l/min |
| Fuse | T1A1 250V | Minimum Cylinder Pressure | 200bar(20MPa) |
| Protection Class | Class 1, Type CF | Weight | 6 Kg |
| Input Pressure | Min 2.5bar(250kpa) ~ Max 4.5 bar(450kpa) | Dimension(WxDxH) | 330x380x130 mm |

Standard Accessories

| Code No. | Name of Item | | | | |
|----------|-------------------------------------|---|--|---|---|
| FS02-02R | Double Foot Switch |  |  |  |  |
| CA05-01R | Foot Switch Signal Cable | FS02-02R | CA05-01R | CA06-01R | TB01-01R |
| CA06-01R | Monopolar Cable |  |  |  |  |
| TB01-01R | Luer Lock Tube | CA07-02R | AP01-02R | CA03-01R | CA03-02R+2 |
| CA07-02R | Reusable Flexible Argon Probe Cable |  | | | |
| AP01-02R | Reusable Flexible Argon Probe | RG01-01R | | | |
| CA03-01R | Ground Cable | | | | |
| CA03-02R | Ground Cable (2ea) | | | | |
| RG01-01R | Regulator | | | | |



- Main Frequency : 400, 500KHz
- Power Source : AC120V or AC230V, 50Hz / 60Hz
- Protection Class : Class 1, Type CF
- Dimension(WxDxHmm) : 388×410×160
- Weight : 12.5Kg

Feature

• Color Graphic User Interface

Wide TFT LCD mount, clean and sharper image quality, unlike the existing electricity and the innovative new U.I. configuration operation.

• Best Safety with Feedback System

REM(Return Electrode Monitoring) function monitors the size of contact area between a patient and the pad. If the size is inappropriate, it automatically blocks the high-frequency current to minimize the danger of burning incidents.

• All touch Screen System & key

Touch screen system through the implementation easier and faster with a parameter setting, external key management can be the same as a touch screen.

• Diversity of Feature Bipolar

Bipolar Cut, Bipolar Blend, Bipolar Forced to add features to implement more up-grade the optimal system.

Option 1 Endo Cut(Intra Cut)

Endo-cut is a monopolar electrosurgical treatment method and a cut which is carried out intervals(fractionated cut) with software-controlled alternations between cutting and coagulation stages.

Option 2 T.U.R.P.

Special resectoscopy, which removes the tissue in the prostate with kinetic plasma under saline liquid. (recommended to buy instruments for procedure by a user.)

Vessel Sealing

Seals vessels up to 7mm with bipolar coagulation during the procedure.(recommended to buy instrument for procedure by a user.)

* Option 2 function is included option 1 function.

Standard Accessories

| Code No. | Name of Item | | | | |
|----------|---|----------|------------|----------|-------------------|
| FS02-01R | Double Foot Switch | | | | |
| FS01-03R | Single Foot Switch(ZEUS VISION) *Option 2: Not included | FS02-01R | * FS01-03R | HD02-01D | HD01-02R |
| HD02-01D | Disposable Twin Button Handle | | | | |
| HD01-02R | Monopolar Handle & Cable | PL02-01R | PL03-02D | CA02-02R | CA03-01R |
| PL02-01R | Silicon Patient Plate(240X150mm) | | | | |
| PL03-02D | Disposable Patient Plate (5ea) | CA01-02R | CA08-01R | BF01-01R | EL01-02D/EL02-02D |
| CA02-02R | Patient Return Plate Cable | | | | EL03-02D/EL04-02D |
| CA03-01R | Ground Cable | | | | EL04-04D |
| CA01-02R | Bipolar Forceps Cable | CA01-02R | CA08-01R | BF01-01R | |
| CA08-01R | Monopolar Connecting Cable(For Endo Cut*3Φ Connector) | | | | |
| BF01-01R | Bipolar Forceps(Bayonet 17.8cm 1.0 Tip) | | | | |
| EL01-02D | Electrode(Knife 2.4*70mm) | | | | |
| EL02-02D | Electrode(Ball 5mm) | | | | |
| EL03-02D | Electrode(Loop 6mm) | | | | |
| EL04-02D | Electrode(Needle 2.4*70mm) | | | | |
| EL04-04D | Electrode(Needle Angled 2.4*70mm) | | | | |

Output Specification

| | Mode | Output Power |
|---------------------|-----------|--------------|
| CUT | Pure | 400W / 200Ω |
| | Blend 1 | 250W / 200Ω |
| | Blend 2 | 200W / 200Ω |
| | Blend 3 | 150W / 200Ω |
| Coagulation | Contact | 120W / 200Ω |
| | Spray | 100W / 300Ω |
| | Argon | 100W / 300Ω |
| Bipolar Coagulation | Standard | 100W / 100Ω |
| | AutoStart | 100W / 100Ω |
| | Forced | 80W / 100Ω |
| Bipolar Cut | Cut | 120W / 200Ω |
| | Blend | 100W / 200Ω |

Option 1

| | | |
|-------------|-------------|-------------|
| Endo Cut | Papillotomy | 150W / 100Ω |
| | Polypectomy | 150W / 100Ω |
| Coagulation | Soft | 80W / 100Ω |

Option 2

| | | |
|---------------------|----------------|-------------|
| Bipolar TURP | TURP Cut | 250W / 200Ω |
| | TURP Coag. | 150W / 100Ω |
| Bipolar Coagulation | Vessel Sealing | 250W / 100Ω |

ZEUS-400/300/200(ZEUS series **UPGRADED VERSION**)

The ZEUS series upgraded version provide safety flexibility and convenience by powerful and stable technology.

10 storages are available by using user storage function. Bipolar cut function is available.

- Main Frequency : 400, 500KHz
- Power Source : AC120V or AC230V, 50Hz / 60Hz
- Protection class : Class 1, Type CF
- Dimension(WxDxH mm) 330x455x150
- Weight : 13.0Kg

Application

- General Surgery
- Dermatology
- Vascular Surgery
- Gynecology
- ORL/ENT
- Pediatric Surgery
- Urology
- Orthopedics
- Oral Surgery
- Plastic Surgery
- Endoscopy

Feature

- A display window allows you to easily check output value, indicated as digits.
- Unit provides various functions that are required to perform an operation as functional cut mode (Pure cut, Blend1, Blend2, Blend3)Coagulation mode(Spray coag., Contact coag.), Bipolar coag. mode by hand or foot, Bipolar cut(ZEUS upgraded version only).
- Each working condition can be checked by sound and indication lamp.
- Hand bipolar(Auto bipolar)can be checked only by contacting Forceps.
- Unit output strong and stable power by micro-processor.
- Input power frequency is automatically detected.

Output Specification

| Mode | ZEUS series UPGRADED VER. | | |
|---------------|----------------------------------|-------------|-------------|
| | ZEUS-400 | ZEUS-300 | ZEUS-200 |
| Pure cut | 400W / 300Ω | 300W / 300Ω | 200W / 300Ω |
| Blend 1 | 250W / 300Ω | 230W / 300Ω | 150W / 300Ω |
| Blend 2 | 200W / 300Ω | 180W / 300Ω | 120W / 300Ω |
| Blend 3 | 150W / 300Ω | 120W / 300Ω | 100W / 300Ω |
| Contact Coag. | 120W / 300Ω | 100W / 300Ω | 100W / 300Ω |
| Spray Coag. | 100W / 300Ω | 80W / 300Ω | 80W / 300Ω |
| Bipolar Coag. | 100W / 100Ω | 80W / 100Ω | 80W / 100Ω |
| Bipolar Cut | 100W / 200Ω | 80W / 200Ω | 80W / 200Ω |

Standard Accessories

| Code No. | Name of Item |
|----------|---|
| FS02-01R | Double Foot Switch |
| FS01-02R | Single Foot Switch |
| HD02-01D | Disposable Twin Button Handle |
| HD01-01R | Monopolar Handle & Cable |
| PL02-04R | Silicon Patient Plate(240X150mm) |
| PL03-02D | Disposable Patient Plate (2ea) |
| CA02-03R | Patient Return Plate Cable |
| CA03-01R | Ground Cable |
| CA01-01R | Bipolar Forceps Cable |
| BF01-01R | Bipolar Forceps(Bayonet 17.8cm 1.0 Tip) |
| EL01-02D | Electrode(Knife 2.4*70mm) |
| EL02-02D | Electrode(Ball 5mm) |
| EL03-02D | Electrode(Loop 6mm) |
| EL04-02D | Electrode(Needle 2.4*70mm) |
| EL04-04D | Electrode(Needle Angled 2.4*70mm) |

| S-200 | ZEUS-400 | ZEUS-300 | ZEUS-200 |
|--------|-------------|-------------|-------------|
| / 300Ω | 400W / 300Ω | 300W / 300Ω | 200W / 300Ω |
| / 300Ω | 250W / 300Ω | 230W / 300Ω | 150W / 300Ω |
| / 300Ω | 200W / 300Ω | 180W / 300Ω | 120W / 300Ω |
| / 300Ω | 150W / 300Ω | 120W / 300Ω | 100W / 300Ω |
| / 300Ω | 120W / 300Ω | 100W / 300Ω | 100W / 300Ω |
| / 300Ω | 100W / 300Ω | 80W / 300Ω | 80W / 300Ω |
| / 100Ω | 99W / 100Ω | 80W / 100Ω | 80W / 100Ω |
| / 200Ω | | | |



※ In case of Zeus-200, receptacle part is little different than Zeus-400/300, When customer buys Zeus-200, please check.

The ZEUS series provide safety flexibility and convenience by powerful and stable technology.

- Main Frequency : 400, 500KHz
- Power Source : AC120V or AC230V, 50Hz or 60Hz
- Protection class : Class 1, Type CF
- Dimension(WxDxH mm) 330x455x150
- Weight : 13.0Kg



Application

- General Surgery
- Dermatology
- Vascular Surgery
- Gynecology
- ORL/ENT
- Pediatric Surgery
- Urology
- Orthopedics
- Oral Surgery
- Plastic Surgery
- Endoscopy

Safety Function

- A fuse which is built in a power circuit board prevents over current from flowing through the equipment
- When the plate attached to the patient is disconnected from the unit, red alarm light begins flickering. If press any button of the twin button handle or press any pedal of double foot switch, alarm sound is made but the unit doesn't work.
- REM(Return Electrode Monitoring) function monitors the size of contacting area between a patient and the pad. If size is inappropriate, it automatically blocks the high-frequency current to minimize the danger of burning incident.
- To protect a patient, the case is fully grounded so that a leakage current can flow into the earth.



Output Specification

| Mode | ZEUS-200S | ZEUS-150 |
|---------------------|-------------|-------------|
| Pure Cut | 200W / 200Ω | 150W / 200Ω |
| Blend Cut 1 | 150W / 200Ω | 120W / 200Ω |
| Blend Cut 2 | 120W / 200Ω | 100W / 200Ω |
| Contact Coagulation | 80W / 200Ω | 80W / 200Ω |
| Spray Coagulation | 80W / 500Ω | 60W / 500Ω |
| Bipolar Coagulation | 80W / 100Ω | 80W / 100Ω |

- Main Frequency : 400, 500Khz
- Power Source : AC120V or AC230V, 50Hz / 60Hz
- Protection Class : Class 1, Type CF
- Dimension(WxDxHmm) : 330×330×150
- Weight : 8.0Kg

Feature

• Various Function with Compact Design

Cut(Pure Cut, Blend 1, Blend 2), Coag.(Contact, Spray), Bipolar Coag.: Fully enough for most of the operations.

• Best Safety with Feedback System

REM(Return Electrode Monitoring) function monitors size of contact area between a patient and the pad. If contact is inappropriate, it automatically blocks the high-frequency current to minimize the danger of burning incident.

• Different Tone Audible Sound

Each working condition can be checked by sound and indication lamp. The level if alarm sound can be adjusted during an operation of application mode.

• Auto Select Function

Without pressing cut or coag. button, use twin button handle or double foot switch for working cut or coag. mode. Press each mode button for 3 sec., output power will be set 1W, it enables to adjust from 1W to maximum power quickly.

Standard Accessories

| Code No. | Name of Item | | | | |
|----------|---|---|--|--|--|
| FS02-01R | Double Foot Switch | | | | |
| HD02-01D | Disposable Twin Button Handle | | | | |
| HD01-01R | Monopolar Handle & Cable | | | | |
| PL02-04R | Silicon Patient Plate(240X150mm) | | | | |
| PL03-02D | Disposable Patient Plate (2ea) | | | | |
| CA02-03R | Patient Return Plate Cable | | | | |
| CA01-01R | Bipolar Forceps Cable | | | | |
| BF01-01R | Bipolar Forceps(Bayonet 17.8cm 1.0 Tip) | | | | |
| EL01-02D | Electrode(Knife 2.4*70mm) | | | | |
| EL02-02D | Electrode(Ball 5mm) | | | | |
| EL03-02D | Electrode(Loop 6mm) | | | | |
| EL04-02D | Electrode(Needle 2.4*70mm) | | | | |
| EL04-04D | Electrode(Needle Angled 2.4*70mm) | | | | |
| | | EL01-02D / EL02-02D EL03-02D / EL04-02D / EL04-04D | | | |

Electrosurgical Unit
ZEUS-100/80



Output Specification

| Mode | ZEUS-100 | ZEUS-80 |
|---------------------|------------|-----------|
| Pure Cut | 100W /300Ω | 80W /300Ω |
| Blend Cut | 100W /300Ω | 80W /300Ω |
| Contact Coagulation | 60W /300Ω | 50W /300Ω |
| Bipolar Coagulation | 80W /100Ω | 70W /100Ω |



- Main Frequency : 1.6MHz
- Power Source : AC120V or AC230V, 50Hz / 60Hz
- Protection Class : Class 1, Type BF
- Dimension(WxDxHmm) : 270×310×110
- Weight : 6.0Kg

Standard Accessories

| Code No. | Name of Item | | | |
|----------|-----------------------------------|--|--|--|
| FS01-02R | Single Foot Switch | | | |
| HD02-01D | Disposable Twin Button Handle | | | |
| PL02-05R | Silicon Patient Plate(165X90mm) | | | |
| EL01-02D | Electrode(Knife 2.4*70mm) | | | |
| EL02-02D | Electrode(Ball 5mm) | | | |
| EL04-02D | Electrode(Needle 2.4*70mm) | | | |
| EL04-04D | Electrode(Needle Angled 2.4*70mm) | | | |
| | | EL01-02D / EL02-02D EL04-02D / EL04-04D | | |

Electrosurgical Unit
ZERO 50



Output Specification

| Mode | ZERO50 | |
|-------------|-----------|--|
| Cut | 50W /300Ω | |
| Coagulation | 40W /300Ω | |



- Main Frequency : 1.6MHz
- Power Source : AC120V or AC230V, 50Hz / 60Hz
- Protection Class : Class 1, Type BF
- Dimension(WxDxHmm) : 200×220×90
- Weight : 2.6Kg

Standard Accessories

| Code No. | Name of Item | | | |
|----------|---------------------------------|----------|----------|--|
| HD02-01D | Disposable Twin Button Handle | | | |
| PL02-03R | Silicon Patient Plate(110X80mm) | | | |
| | | HD02-01D | PL02-03R | |

Electrosurgical Unit

Accessories

| Accessory | Code No. | Name of Item | Specification | Accessory | Code No. | Name of Item | Specification |
|-----------|----------|----------------------------------|--|-----------|----------|----------------------------|--|
| | FS01-01R | Single Foot Switch (ZEUS-80) | 3pin Plug Cable 4m | | CA08-01R | Monopolar Connecting Cable | 3Ø Connector |
| | FS01-02R | Single Foot Switch | 3pin Plug Cable 4m | | CA08-02R | Monopolar Connecting Cable | 4Ø Connector |
| | FS01-03R | Single Foot Switch (ZEUS Vision) | 3pin Plug Cable 4m | | CA02-02R | Patient Return Plate Cable | 6.3Pie Plug Silicon Cable 3m |
| | FS02-01R | Double Foot Switch | 4pin Plug Cable 4m | | CA02-03R | Patient Return Plate Cable | ValleyLab Type Plug Silicon Cable 3m |
| | PL01-01R | Reusable Patient Plate | Stainless Steel 6.3Pie Plug Cable 3m | | CA03-01R | Ground Cable | Cable 4Ø, 3m |
| | PL02-01R | Silicon Patient Plate | 240mm x 150mm 6.3Pie Plug Cable 3m | | BF01-01R | Bipolar Forceps | Bayonet 17.8cm 1.0 Tip |
| | PL02-02R | Silicon Patient Plate | 165mm x 90mm 6.3Pie Plug Cable 2m | | BF01-02R | Bipolar Forceps | Bayonet 15.2cm 1.0 Tip |
| | PL02-03R | Silicon Patient Plate | 110mm x 80mm 6.3Pie Plug Cable 2m | | BF02-01R | Bipolar Forceps | Straight 9.0cm 0.5 Tip |
| | PL02-04R | Silicon Patient Plate | 240mm x 150mm ValleyLab Type Plug Cable 3m | | BF02-02R | Bipolar Forceps | Straight 12.1cm 1.0 Tip |
| | PL02-05R | Silicon Patient Plate | 165mm x 90mm ValleyLab Type Plug Cable 2m | | BF02-03R | Bipolar Forceps | Straight 17.8cm 1.0 Tip |
| | PL02-06R | Silicon Patient Plate | 110mm x 80mm ValleyLab Type Plug Cable 2m | | BF03-01R | Bipolar Forceps | Angled 9.0cm 0.5 Tip |
| | PL03-02D | Disposable Patient Plate | Adult Dual (120cm ²) | | BF03-02R | Bipolar Forceps | Angled 17.8cm 1.0 Tip |
| | PL03-03D | Disposable Patient Plate | Pediatric Dual (66cm ²) | | EL01-02D | Electrode | Knife 2.4 * 70mm Black |
| | HD01-01R | Monopolar Handle & Cable | Silicon Cable 4Ø 3m | | EL02-02D | Electrode | Ball 5mm Black |
| | HD01-02R | Monopolar Handle & Cable | Silicon Cable 4Ø 3m | | EL03-02D | Electrode | Loop 6mm Black |
| | HD02-01D | Disposable Twin Button Handle | 3pin Plug Cable 3m | | EL04-02D | Electrode | Needle 2.4 * 70mm Black |
| | CA01-01R | Bipolar Forcep Cable | 2pin Plug Cable 3m EN Type Connector | | EL04-04D | Electrode | Needle Angled 45° 2.4 * 70mm Black |
| | CA01-02R | Bipolar Forcep Cable | 2pin Plug Silicon Cable 3m EN Type Connector | | CT01-01R | CART | W390xD480xH850 |
| | CA01-03R | Bipolar Forcep Cable | 2pin Plug Silicon Cable 4m EU Type Connector | | HD03-02R | Sens Probe | 3 Pin Plug Cable 3m |