



MEDICAL LINES

ELECTROSURGICAL UNITS



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YR02144

Electrosurgical generator
For standard and Argon-enhanced electrosurgery



**Electrosurgery
with powerful elegance**



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Product overview

YR02144 is a versatile system designed to deliver standard and argon-enhanced electrocautery.

It features 10 different power settings, 9-channel program memory, max. 400 watt floating output and optional Argon-enhanced system to give optimal cutting and coagulation with minimal tissue damage, which well combines safety and effectiveness for a broad range of electrocautery needs, like General surgery, Cardiology, ENT surgery, Gastroenterology, Gynaecology, Laparoscopy, Neuro surgery, Plastic surgery, Thoracic surgery and Urology (like TURP, TUV).



YR02144 Electrocautery generator



Up to 9-channel setting memory for quick response to routine surgery



Optional Argon-plasma coagulation extension



Neutral electrode recognition & contact area monitoring and display

Features

- Microprocessor-controlled output by max. 400 watts (all floating)
- 7 Monopolar and 3 Bipolar power modes
- Automatic power adjustment and compensation for tissue variation
- Return electrode monitoring (REM) system
- 9-channel program memory
- Optional Argon system for enhanced electrocautery
- TURP, TUV capability
- Up to 3 different instruments can be configured simultaneously
- CE marked



For minimal access application



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Technical specification

| Monopolar | | | | |
|------------------|---------------------------|-------------|-------------------|--------------|
| Cutting mode | Max. power output (watts) | Load (ohms) | Open circuit Vp-p | Crest factor |
| Pure | 400 watts | 500 Ω | 2,300 v | 1.5 |
| Blend1 | 300 watts | 500 Ω | 2,700 v | 2.1 |
| Blend2 | 200 watts | 500 Ω | 3,200 v | 2.5 |
| Blend3 | 150 watts | 500 Ω | 3,700 v | 3.1 |
| Coagulation mode | | | | |
| Point | 120 watts | 500 Ω | 5,600 v | 6.1 |
| Soft | 120 watts | 500 Ω | 3,400 v | 6.1 |
| Spray | 120 watts | 500 Ω | 8,500 v | 8.3 |
| Bipolar | | | | |
| Cutting mode | | | | |
| Standard | 70 watts | 200 Ω | 1,450 v | 1.5 |
| Coagulation mode | | | | |
| Standard | 70 watts | 500 Ω | 240 v | 1.5 |
| Precise | 70 watts | 200 Ω | 360 v | 1.5 |

Other

| Accessory & supply connection | |
|--|---|
| Finger-switch pencil | 2 |
| Foot-switch pencil | 1 |
| Patient return electrode | 1 |
| Foot-switch | 1 |
| AC power supply | 1 |
| Equipotential bonding | 1 |
| 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 contact < 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) | 460 x 410 x 160 mm |
| Weight | 11.2 kg |



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Optional electrosurgical Accessories

*All specifications and figures are subject to change without notice

* If the accessories you need are not listed here, please consult our international distributors or sales representatives

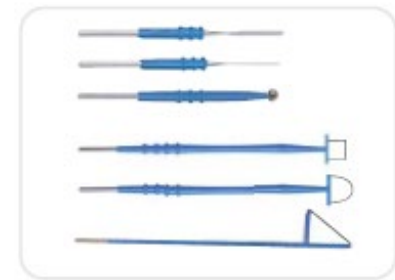
Pencil (or called electrode holder) and control

| Ordering No | Description | Remark |
|----------------|---|------------|
| 7SB-150100-00S | Finger-switch pencil | Disposable |
| 7SB-150102-00S | Foot-switch pencil | Disposable |
| 7SB-150105-00R | Finger-switch pencil | Reusable |
| 7SB-150107-00R | Foot-switch pencil | Reusable |
| 7NZ-310180-100 | Bipolar forceps without cable, bayonet-shaped, Tip 1mm/Size 200mm | Reusable |
| 7LX-190110-00R | Connecting cable for bipolar forceps, 3 meters | Reusable |
| NGD-020 | Foot-switch for foot-switch pencil and bipolar forceps | Reusable |



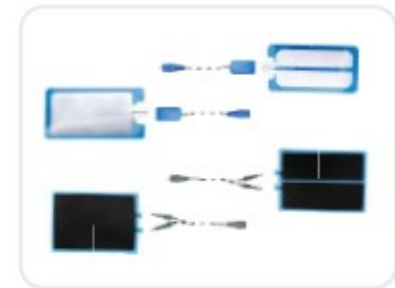
Electrode

| Ordering No | Description | Remark |
|----------------|--|------------|
| 7DJ-150110-00S | Blade electrode, 70mm shaft, sterile | Disposable |
| 7DJ-150120-00S | Needle electrode, 70mm shaft, sterile | Disposable |
| 7DJ-150140-00S | Ball electrode (Φ3mm), 70mm shaft, sterile | Disposable |
| 7DJ-150170-07S | Square loop, W*H=10*7mm, 130mm shaft, sterile | Disposable |
| 7DJ-150175-10S | Semi-round loop, W*H=10*10mm, 130mm shaft, sterile | Disposable |
| 7DJ-150195-00S | Coagulation electrode, 130mm shaft, large, sterile | Disposable |



Patient return electrode

| Ordering No | Description | Remark |
|----------------|---|------------|
| GP202S-A | Patient return electrode without cable, split type, for Adult | Disposable |
| GP202D-A | Patient return electrode without cable, solid type, for Adult | Disposable |
| GP202S-P | Patient return electrode without cable, split type, for Children | Disposable |
| 7LX-150602-00S | Connecting cable for disposable patient return electrode (split type), 3 meters | Disposable |
| 7LX-150602-00S | Connecting cable for disposable patient return electrode (solid type), 3 meters | Disposable |
| 7JB-150670-00R | Patient return electrode without cable, split type, for Adult | Reusable |
| 7LX-190305-00R | Connecting cable for reusable patient return electrode (split type), 3 meters | Reusable |
| 7JB-EB0351-002 | Steel return electrode (for EB02,EB03 compact,EB03,EB05) | Reusable |



Other accessories

| Ordering No | Description | Remark |
|--------------|---|--------|
| 7SB-FQJ-001 | Cable for connecting electrosurgical unit and celioscope | |
| 7BZ-ARTC-001 | Mobile cart for EB05 electrosurgical unit | |
| DDFJ-10-00 | Adaptor for thick or thin pin-leg to electrosurgical unit, Φ7mm to Φ6.3mm | |
| DDFJ-20-00 | Adaptor for thick or thin pin-leg to electrosurgical unit, Φ8.5mm to Φ6.3mm | |



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MONTPELLIER - FRANCE
HEADQUARTER
Optimum Business Center,
450 Rue Baden Powell,
34000 Montpellier - France.

Fax: +33 (0) 4 67 15 88 49
Tif: +33 (0) 6 80 76 07 10
sales@kalstein.eu

<https://kalstein.eu/>
<https://www.kalstein.fr/>

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