



# SURTRON<sup>®</sup>

## 300HP / 400HP

HIGH POWER MONOPOLAR AND BIPOLAR ELECTROSURGICAL UNIT

AMBULATORY SURGERY  
GENERAL SURGERY  
PEDIATRIC SURGERY  
PLASTIC SURGERY  
THORAX SURGERY  
VASCULAR SURGERY  
DERMATOLOGY  
ENDOSCOPY  
GASTROENTEROLOGY  
GYNECOLOGY  
NEUROSURGERY  
ORTHOPEDICS  
OTORHINOLARYNGOLOGY  
PNEUMOLOGY  
UROLOGY  
VETERINARY



High performance capabilities in a multipurpose generator



# SURTRON®

## 300<sub>HP</sub> 400<sub>HP</sub>

### Reference code

Maximum output power monopolar pure CUT  
Maximum output power monopolar cut-coag CUT80%  
Maximum output power monopolar cut-coag CUT60%  
Maximum output power monopolar cut-coag CUT40%  
Maximum output power monopolar cut ENHANCED  
Maximum output power monopolar cut-coag BLEND  
Maximum output power monopolar coag SPEEDY  
Maximum output power monopolar coag DEEP  
Maximum output power monopolar coag SPRAY  
Maximum output power monopolar coag SPRAY ARGON  
Maximum output power bipolar CUT  
Maximum output power bipolar cut-coag CUT80%  
Maximum output power bipolar cut-coag CUT60%  
Maximum output power bipolar cut-coag CUT40%  
Maximum output power bipolar cut-coag BLEND  
Maximum output power bipolar coag COAG  
Working frequency Monopolar / Bipolar  
Patient circuit  
Selectable input voltage  
Mains frequency  
Electrical input power  
Size WxHxD mm  
Weight

10400.801  
300 W - 300 Ω  
250 W - 300 Ω  
200 W - 300 Ω  
150 W - 300 Ω  
200 W - 500 Ω  
200 W - 300 Ω  
100 W - 500 Ω  
100 W - 200 Ω  
80 W - 2000 Ω  
80 W - 2000 Ω  
100 W - 150 Ω  
100 W - 150 Ω  
100 W - 150 Ω  
100 W - 150 Ω  
100 W - 150 Ω  
100 W - 100 Ω  
425 kHz / 525 kHz  
F  
115 - 230 Vac  
50 - 60 Hz  
1000 VA  
470x150x400  
17,5 Kgs

10400.901  
400 W - 300 Ω  
300 W - 300 Ω  
250 W - 300 Ω  
200 W - 300 Ω  
250 W - 500 Ω  
250 W - 300 Ω  
120 W - 500 Ω  
120 W - 200 Ω  
100 W - 2000 Ω  
100 W - 2000 Ω  
100 W - 150 Ω  
100 W - 150 Ω  
100 W - 150 Ω  
100 W - 150 Ω  
100 W - 150 Ω  
100 W - 100 Ω  
425 kHz / 525 kHz  
F  
115 - 230 Vac  
50 - 60 Hz  
1000 VA  
470x150x400  
17,5 Kgs



# TRO1

Multiprogrammable  
by the user

Double generator  
for twin surgical  
procedures



## TWIN OPERATIVE ACTIVITY

- Two output channels for monopolar cutting
- Two independent setting and output channels for the most frequent monopolar coagulation

## CONTROLLED CUTTING PROCEDURES

- Enhanced cutting current for eschar free incision
- Cutting current with selectable coagulating property for bleeding controlled dissection
- Low capacitive coupling by slow BLEND current for endoscopic procedures

## TWIN CONTROLLED COAGULATIVE PROCEDURES

- SPEEDY\* coagulation and DEEP\*\*coagulation available to two operators
- SPRAY coagulation available by hand switch or foot switch controls

## WIDE BIPOLAR FEATURES

- Bipolar cutting current with selectable bleeding control
- Slow BLEND cutting current
- Separately activable Automatic Start/Stop coagulation

## SURGEON AND PATIENT TOTAL SAFETY

- Acceptability of contact impedance between patient body and return electrode continuously watched by Skin Plate Electronic Control (SPEC)
- H.F. Leakage currents continuously monitored
- Mains fluctuation automatically compensated before to start the delivery of HF power

## PERSONALIZED PROCEDURES

- Independent choice of coagulative currents and power levels by each of two operators
- Ten personal configurable and immediately recallable procedures

## EXTENSION DRIVER AND INTERLOCK SIGNALS

- Driven output connection to external Argon Plasma unit and Smoke Evacuator unit

## AUTOMATIC SELF DIAGNOSIS

- Automatic diagnostic control of the actual complete functionality of the electronic unit and the connected accessories with coded report of failures

\*SPEEDY coagulation also said Fulgurate or Forced coagulation

\*\*DEEP coagulation also said Pin Point, Dessicate or Soft coagulation

## SAFETY

EN60601-1  
EN60601-1-2  
EN60601-2-2  
Electrical Class: I CF  
MDD 93/42/EC Class: II b

## CONTROLS

Patient/Plate circuit monitoring  
Output power monitoring  
Self check control  
H.F. Leakage currents control  
Compensation of mains fluctuation

### Илан Медицинска Апаратура ООД

гр. Варна, ул. Кирил Шиваров 9 Б

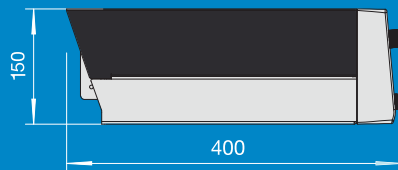
тел. **0700 17373**

факс 052 612258

e-mail: office@ilan.bg

[www.ilan.bg](http://www.ilan.bg)

Size - mm



### Standard Composition:

- Disposable handle with switches (5pcs)
- Reusable handle with switches
- Blade electrode 7 cm (3 pcs)
- Blade electrode 16 cm (3 pcs)
- Needle electrode 7 cm (3 pcs)
- Ball electrode 6 cm (3 pcs)
- Cable for neutral electrode
- Disposable split neutral electrode (5pcs)
- Electrode cleaning sponge
- Double water-proof foot-switch (2 pcs)
- Power supply cable 5 mt

755VL  
F4243  
152-110  
152-115  
152-120  
152-150  
00404.08  
F7920  
F7520  
00301.04  
00100.01

