



SURTRON[®]

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_{HP} 400_{HP}

Reference code	10400.801	10400.901
Maximum output power monopolar pure CUT	300 W - 300 Ω	400 W - 300 Ω
Maximum output power monopolar cut-coag CUT80%	250 W - 300 Ω	300 W - 300 Ω
Maximum output power monopolar cut-coag CUT60%	200 W - 300 Ω	250 W - 300 Ω
Maximum output power monopolar cut-coag CUT40%	150 W - 300 Ω	200 W - 300 Ω
Maximum output power monopolar cut ENHANCED	200 W - 500 Ω	250 W - 500 Ω
Maximum output power monopolar cut-coag BLEND	200 W - 300 Ω	250 W - 300 Ω
Maximum output power monopolar coag SPEEDY	100 W - 500 Ω	120 W - 500 Ω
Maximum output power monopolar coag DEEP	100 W - 200 Ω	120 W - 200 Ω
Maximum output power monopolar coag SPRAY	70 W - 2000 Ω	100 W - 2000 Ω
Maximum output power monopolar coag SPRAY ARGON	70 W - 2000 Ω	100 W - 2000 Ω
Maximum output power bipolar CUT	95 W - 150 Ω	95 W - 150 Ω
Maximum output power bipolar cut-coag CUT80%	95 W - 150 Ω	95 W - 150 Ω
Maximum output power bipolar cut-coag CUT60%	95 W - 150 Ω	95 W - 150 Ω
Maximum output power bipolar cut-coag CUT40%	60 W - 150 Ω	60 W - 150 Ω
Maximum output power bipolar cut-coag BLEND	90 W - 150 Ω	90 W - 150 Ω
Maximum output power bipolar coag COAG	70 W - 100 Ω	70 W - 100 Ω
Working frequency Monopolar / Bipolar	425 kHz / 525 kHz	425 kHz / 525 kHz
Patient circuit	F	F
Selectable input voltage	115 - 230 Vac	115 - 230 Vac
Mains frequency	50 - 60 Hz	50 - 60 Hz
Electrical input power	1000 VA	1000 VA
Size WxHxD mm	470x150x400	470x150x400
Weight	17,5 Kgs	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

- Drived 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

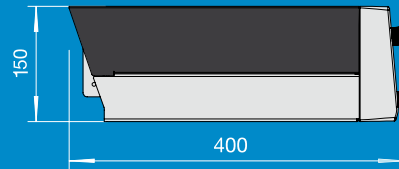
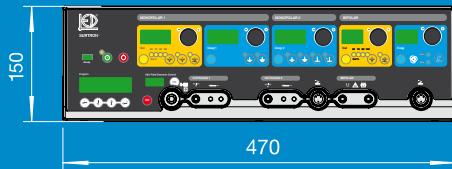
Patient/Plate circuit monitoring
Output power monitoring
Self check control
H.F. Leakage currents control
Compensation of mains fluctuation

LED SpA

PROGETTAZIONI E PRODUZIONI ELETTRONICHE

via Selciatella, 40 - 04011 Aprilia(LT) - Italy
www.led.it - info@led.it - www.surtron.com

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

