



SURTRON[®]

FLASH / FLASH **HF**

MONOPOLAR AND BIPOLAR RADIOSURGICAL UNIT

AMBULATORY SURGERY
DERMATOLOGY
VASCULAR SURGERY
GYNECOLOGY
DENTAL
OTORHINOLARYNGOLOGY
PEDIATRIC SURGERY
FIRST AID
PLASTIC SURGERY
ENDOSCOPY
OPHTHALMOLOGY
NEUROSURGERY
PODIATRY
PNEUMOLOGY
UROLOGY
VETERINARY



SURTRON[®] FLASH HF





Best surgical results with **HF**

SURTRON® FLASH



SURTRON® 120 160 **HF** 200

Reference code	10300.101	10300.201	10300.401
Max output power CUT	120 W-250 Ω	150 W-250 Ω ⁽¹⁾	200 W-250 Ω
Max output power BLEND	90 W-200 Ω	100 W-200 Ω ⁽¹⁾	120 W-200 Ω
Max output power ENHANCED	90 W-250 Ω	100 W-250 Ω ⁽¹⁾	120 W-250 Ω
Max output power FORCED COAG	80 W-150 Ω	100 W-150 Ω	150 W-150 Ω
Max output power SOFT COAG	60 W-100 Ω	80 W-100 Ω	90 W-100 Ω
Max output power BIPOLAR COAG	60 W-100 Ω	60 W-100 Ω	80 W-100 Ω
Max output power BIPOLAR ABLATION	60 W-100 Ω	60 W-100 Ω ⁽¹⁾	80 W-100 Ω
Working frequency	600 KHz	600 KHz	600 KHz
Working frequency ⁽¹⁾ FUNCTION ONLY	-	4.0 MHz	-
RF power pulse emission time	10 - 990 ms	10 - 990 ms	10 - 990 ms
RF power pulse interval	1 - 9	1 - 9	1 - 9
Patient circuit	F	F	F
Selectable input voltage	115 - 230 Vac	115 - 230 Vac	115 - 230 Vac
Mains frequency	50 - 60 Hz	50 - 60 Hz	50 - 60 Hz
Electrical input power	300 VA	350 VA	350 VA
Size WxHxD mm	370x144x319	370x144x319	370x144x319
Weight	6 Kgs	6 Kgs	6 Kgs

- Patient to plate contact control
- Split return electrode use allowed
- Minimally invasive surgical treatment allowed
- Monopolar and Bipolar independent output
- Auto Start/Stop in Bipolar Coag
- Working condition storing
- Power delivery by pedal and/or handle
- Digital regulation and indication of the output power
- Sound level control
- Adjustable power increment
- RF power pulse emission time setting
- RF power pulse interval setting
- HF** Dual Frequency for best performances
- HF** Least amount of lateral heat
- HF** Less smoke in cutting mode



TRON



RF power pulse
planning



Two frequency
for my needs ^{HF}



SURTRON FLASH ^{HF} is a High Frequency RadioSurgical equipment which is suitable to precision monopolar and bipolar surgery and micro-surgery without tissue alterations.

SURTRON FLASH can supply RF operative powers either for programmable time as short as hundreds of a second.

SURTRON FLASH through its performances allows pure CUT, cut-coagulation BLEND, incision with reduced production of eschar ENHANCED, superficial coagulation FORCED COAG, deep coagulation in absence of necrosis SOFT COAG, BIPOLAR coagulation and ABLATION.

The digital reading of the delivered power and the overseeing through microcontroller of the operational functions, assure the absolute reliability of the conditions of job.

SURTRON FLASH allows a highly professional surgery thanks to the user-friendly and safety solutions normally used.

The connection of neutral electrode is constantly monitored. Safety control of patient/plate contact using split neutral electrode. The possibility to control by the handle the output functions as well as the delivery of output power, allows to implement the surgical operation without turning away the surgeon attention from the surgical field.

SAFETY

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

CONTROLS

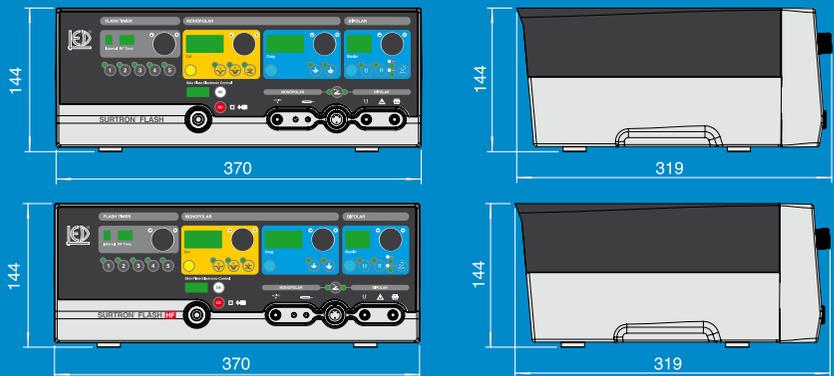
Patient/Plate circuit monitoring
Output power monitoring
Self check control

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:

- Reusable handle with switches
- Handle for microsurgical needle
- Assorted electrodes (10 pcs)
- Needles for micro-surgery (5 pcs)
- Blade electrode 7 cm (3 pcs)
- Needle electrode 7 cm (3 pcs)
- Ball electrode 6 cm (3 pcs)
- Cable for neutral electrode
- Steel neutral electrode
- Disposable split neutral electrode (2 pcs)
- Disposable neutral electrode (2 pcs)
- Waterproof foot switch
- Power supply cable 5mt

F4243
00201.00
00500.00
00500.L11
152-110
152-120
152-150
00404.08
5365
F7920
0350
00302.00
00100.01

