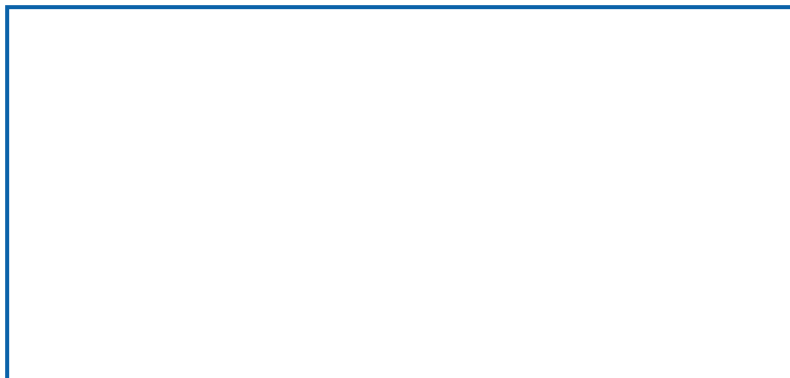




| | |
|-----------|---------------------------------------|
| 00500.L11 | Needle for microsurgery (5 pcs) |
| 00100.03 | Power supply cable 2 m SIEMENS-IEC |
| 00404.06 | Cable for connection neutral plate |
| 5365 | Steel neutral electrode |
| 00500.00 | Kit of assorted electrodes (10 pcs) |
| 00201.00 | Handle for microsurgery |
| 2835P | Reusable handle with switches |
| 00300.00 | Foot switch |
| MA003 | Manual of instructions |



LED SpA

PROGETTAZIONI E PRODUZIONI ELETTRONICHE

Via Selciatella, 40 - 04010 APRILIA (LT) ITALY
Phone +39 06 92870045 Fax +39 06 92870046

www.led.it export@led.it

SURTRON[®]

FLASH

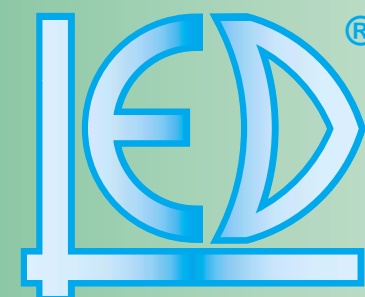
MONOPOLAR AND BIPOLAR PROGRAMMABLE DIATHERMOCOAGULATOR UNIT



Data, descriptions, dimensions, weights and illustrations are purely indicative. Manufacturer reserved the right to modify them without warning.

CASUALTY SURGERY
DERMATOLOGY
VASCULAR SURGERY
VETERINARY
GYNECOLOGY
DENTAL
OTORHINOLARYNGOLOGY
PEDIATRIC SURGERY
FIRST AID
PLASTIC SURGERY
ENDOSCOPY

GASTROENTEROLOGY
NEUROSURGERY
ORTHOPAEDIC
PNEUMOLOGY
UROLOGY
AESTHETIC SURGERY



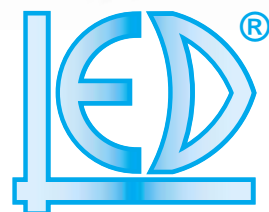
www.surtron.com



SURTRON[®] FLASH

| | 80 | 120 | 160 |
|----------------------------------|-------------|-------------|-------------|
| Maximum output power CUT | 80 W-250 Ω | 120 W-250 Ω | 160 W-250 Ω |
| Maximum output power BLEND | 60 W-200 Ω | 90 W-200 Ω | 120 W-200 Ω |
| Maximum output power COAG FORCED | 50 W-150 Ω | 80 W-150 Ω | 100 W-150 Ω |
| Maximum output power COAG SOFT | 40 W-100 Ω | 60 W-100 Ω | 80 W-100 Ω |
| Maximum output power BIPOLAR | 30 W-100 Ω | 40 W-100 Ω | 60 W-100 Ω |
| Working frequency | 600 KHz | 600 KHz | 600 KHz |
| RF power pulse emission time | 1 - 999 ms | 1 - 999 ms | 1 - 999 ms |
| RF power pulse repetition | from 2 to 9 | from 2 to 9 | from 2 to 9 |
| Patient circuit | F | F | F |
| Selectable power | 115-230 Vac | 115-230 Vac | 115-230 Vac |
| Mains frequency | 50-60 Hz | 50-60 Hz | 50-60 Hz |
| Electrical input power | 230 VA | 300 VA | 350 VA |
| Size HxLxD mm | 360x150x265 | 360x150x265 | 360x150x265 |
| Weight Kg | 8 | 8 | 8 |

- Possibility of use for minimum invasive surgery
- Possibility of use of bipolar tweezers
- Possibility of use of split neutral electrodes
- Planning of the working conditions
- RF power pulse emission time
- RF power pulse repetition
- Memorization of the last used formulations
- Activation of the power with pedal and/or handle
- Digital regulation and indication of the output power
- Adjustment of the bright intensity of the indicators
- Adjustment of the intensity of the sonorous issue



SURTRON FLASH is a diathermo-coagulator unit which is suitable to microsurgery as well as to precision monopolar and bipolar surgery.

SURTRON FLASH, can supply RF operative powers either for programmable time as short as thousandths of a second or for the whole driving time carried out by a handpiece or a footswitch.

SURTRON FLASH, by means of the selection of the unit's performance, allows pure cut CUT, coagulated cut BLEND, superficial coagulation COAG FORCED, deep coagulation, in absence of carbonization, COAG SOFT and, with a special adapter, bipolar coagulation BIPOLAR. The digital reading of the delivered power and the operative function's monitoring by microcontroller guarantees the absolute reliability of working conditions.

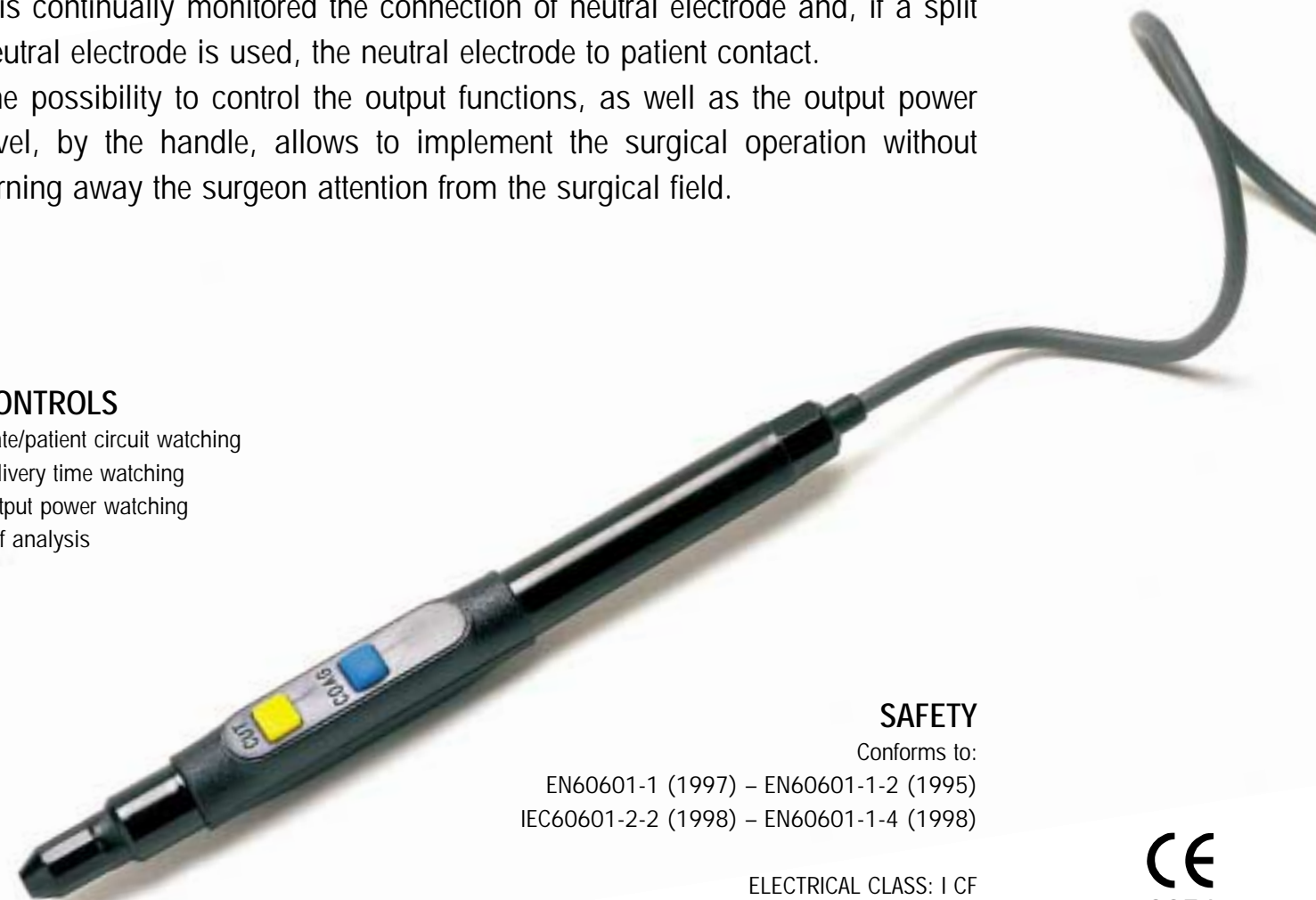
SURTRON FLASH allows a highly professional surgery thanks to the ergonomic and safety solutions normally utilised.

It is continually monitored the connection of neutral electrode and, if a split neutral electrode is used, the neutral electrode to patient contact.

The possibility to control the output functions, as well as the output power level, by the handle, allows to implement the surgical operation without turning away the surgeon attention from the surgical field.

CONTROLS

- Plate/patient circuit watching
- Delivery time watching
- Output power watching
- Self analysis



SAFETY

Conforms to:
 EN60601-1 (1997) – EN60601-1-2 (1995)
 IEC60601-2-2 (1998) – EN60601-1-4 (1998)

ELECTRICAL CLASS: I CF
 MDD 93/42/CEE CLASS: II b

