

DENTAL

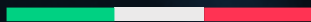


Professional dental devices



100% *MADE IN ITALY*

WE FOLLOW THE PRODUCTION PROCESS, FROM INITIAL CONCEPT TO THE FINAL PRODUCT, ENTIRELY IN OUR FACTORY.



IMPROVE QUALITY OF WORK IN MEDICAL FIELD.

LED SpA strives to create products capable of improving the quality of the work for doctors, during their operations. Innovating and refining technologies in symbiosis with a functional design, to allow for maximum proficiency. Continuous research is done to achieve the highest possible objectives and we are always ready to collaborate, putting customers first and using all our experience to grow successful together.

*PERFORMANCE
USABILITY
DESIGN
RELIABILITY*





DENTAL

PROFESSIONAL DENTAL DEVICES



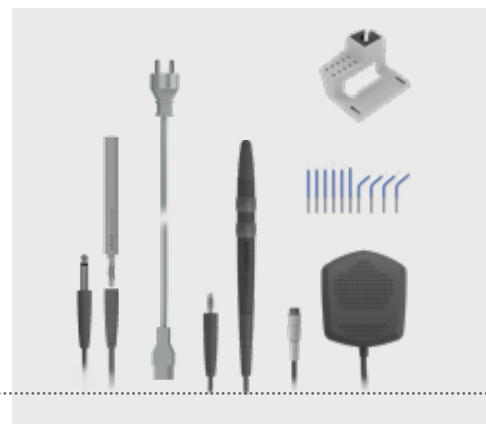
- 02** *SURTRON 50D*
- 04** *SURTRON 80D*
- 06** *SURTRON 80/120/160D*
- 08** *SURTRON TOUCH HP 50D*
- 10** *SURTRON LASER*
- 12** *X IMPLANT*
- 14** *Accesories*
- 19** *Trade Fairs*
- 21** *Contacts*

SURTRON[®] 50D



STANDARD COMPOSITION:

- Reusable monopolar handle 00206.00
- Assorted electrodes (10 pcs) 00500.00
- Cable for rod neutral electrode 00404.02
- Rod neutral electrode 00403.01
- Footswitch 00304.00
- Power supply cable 2 mt 00100.03
- Electrodes and handle support 00202.00



SCAN HERE



READ MORE

SURTRON® 50D is a radiofrequency electro-surgical unit suitable for minor monopolar surgery.

SURTRON® 50D through the functions selection makes pure cut, cut coagulation (CUT 1 - CUT 2) and pure coagulation possible. The on-board microcontroller and digital display guarantees consistent safety and reliability under any conditions.

SURTRON® 50D offers outstanding professional surgical results due to its ergonomic and superior safety features.



50D

Reference code	10100.051
Maximum output power CUT	50 W - 400 Ω
Maximum output power CUT/COAG1	45 W - 400 Ω
Maximum output power CUT/COAG2	40 W - 400 Ω
Maximum output power COAG	40 W - 400 Ω
Working frequency	600 kHz
Patient circuit	F
Selectable input voltage	115/230 Vac
Mains frequency	50-60 Hz
Electrical input power	280 VA
Size WxHxD mm	190x85x239
Weight	2,5 Kgs

SAFETY
 EN60601-1
 EN60601-1-2
 EN60601-2-2
 Electrical Class: I CF
 MDR 2017/745/UE Class: II b

CONTROLS
 Output power monitoring
 Self check control

SURTRON[®] 80D



SCAN HERE



READ MORE

STANDARD COMPOSITION:

- Reusable monopolar handle	00206.00
- Assorted electrodes (10 pcs)	00500.00
- Cable for neutral electrode	00404.08
- Steel neutral electrode	5365
- Footswitch	00304.00
- Power supply cable 2 mt	00100.03
- Electrodes and handle support	00202.00





SURTRON® 80D is a radiofrequency electrocautery unit suitable for minor monopolar surgery.

SURTRON® 80D has a multifunction selector which makes cutting (CUT), cut coagulation (BLEND), coagulation (COAG) and micro-coagulation (MICRO) possible. The one-board microcontroller and digital display guarantees consistent safety and

reliability under any conditions.

SURTRON® 80D offers outstanding professional surgical results due to its ergonomic and superior safety features.

SAFETY
 EN60601-1
 EN60601-1-2
 EN60601-2-2
 Electrical Class: I CF
 MDR 2017/745/UE Class: II b

CONTROLS
 Patient/Plate circuit monitoring
 Output power monitoring
 Self check control

80D

Reference code	10100.081
Maximum output power CUT	80 W - 400 Ω
Maximum output power BLEND	60 W - 400 Ω
Maximum output power COAG	50 W - 400 Ω
Maximum output power MICRO	20 W - 600 Ω
Working frequency	700 kHz
Patient circuit	F
Selectable input voltage	115-230 Vac
Mains frequency	50-60 Hz
Electrical input power	280 VA
Size WxHxD mm	190x85x239
Weight	2,5 Kgs

SURTRON® 80//120//160



SURTRON® 80 / 120 / 160 is a high frequency electrocautery equipment which is suitable to light and medium surgery.

SURTRON® 80 / 120 / 160, through its performance, allows pure CUT, cut-coagulation BLEND, superficial coagulation FORCED COAG, deep coagulation in absence of necrosis SOFT COAG and, with a special adapter, BIPOLAR coagulation.

The digital reading of delivered power and the monitoring of operative function by

microcontroller guarantees the absolute reliability of working conditions.

SURTRON® 80 / 120 / 160 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 monopolar 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.





	80	120	160
Reference code	10100.101	10100.201	10100.301
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 FORCED COAG	50 W-150 Ω	80 W-150 Ω	100 W-150 Ω
Maximum output power SOFT COAG	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
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	230 VA	300 VA	350 VA
Size WxHxD mm	254x104x288	254x104x288	254x104x288
Weight	5 Kgs	5 Kgs	5 Kgs



SAFETY
 EN60601-1
 EN60601-1-2
 EN60601-2-2
 Electrical Class: I CF
 MDR 2017/745/UE Class: II b

CONTROLS
 Patient/Plate circuit monitoring
 Output power monitoring
 Self check control

Possibility of use for minimum invasive surgery
 Possibility of use of bipolar forceps
 Possibility of use of split neutral electrodes
 Planning of the working conditions

Memorization of the last used settings
 Activation of the monopolar power with footswitch and/or handle
 Digital regulation and indication of the output power
 Adjustment of the volume

80//120//160

STANDARD COMPOSITION:

- Handle with switches 00205.00
- Assorted electrodes (10 pcs) 00500.00
- Cable for rod neutral electrode 00404.08
- Rod neutral electrode 5365
- Footswitch 00304.00
- Power supply cable 2 mt 00100.03
- Electrodes and handle support 00202.00





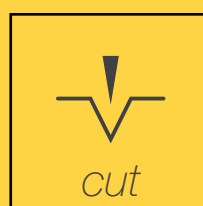
SURTRON® TOUCH HP 50D is a latest generation radiofrequency electrocautery unit suitable for monopolar microsurgery.

SURTRON® TOUCH HP 50D intuitive and easy to use, offers the possibility of selecting and saving various work programs using different functions of pure cut, cut coagulation and pure coagulation.

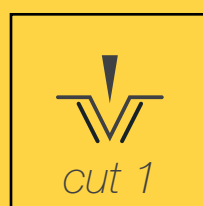
SURTRON® TOUCH HP 50D with its easy and intuitive touchscreen work management and its outstanding safety features offers superior professional surgical results.

CUT

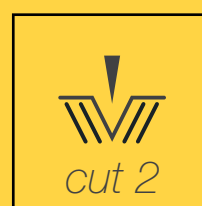
MONOPOLAR



50 W-400 Ω



45 W-400 Ω



40 W-400 Ω

SURTRON TOUCH HP 50D

SAFETY
EN60601-1
EN60601-1-2
EN60601-2-2
Electrical Class: I CF
MDR 2017/745/UE Class: II b

CONTROLS
Patient/Plate circuit monitoring
Output power monitoring
Self check control

STANDARD COMPOSITION:

- Reusable monopolar handle	00206.00
- Assorted electrodes (10 pcs)	00500.00
- Cable for rod neutral electrode	00404.02
- Rod neutral electrode	00403.01
- Footswitch	00304.00
- Power supply cable 2 mt	00100.03
- Electrodes and handle support	00202.00



COAG

MONOPOLAR



40 W-400 Ω

Reference code

Maximum output power CUT	10100.T05 50 W - 400 Ω
Maximum output power CUT/COAG1	45 W - 400 Ω
Maximum output power CUT/COAG2	40 W - 400 Ω
Maximum output power COAG	40 W - 400 Ω
Working frequency	600 kHz
Patient circuit	F
Selectable input voltage	115/230 Vac
Mains frequency	50-60 Hz
Electrical input power	280 VA
Size WxHxD mm	190x85x239
Weight	2,5 Kgs

SURTRON LASER

Painless surgery with less bleeding

SURTRON LASER is a medical laser developed for surgical procedures. It supplies 8W power through a 976nm fiber, making it ideal for a precise surgery. In particular for incisions, excisions, resections, ablations, vaporization, coagulation and hemostasias.

Its wavelength of 976 nm perfectly matches with water absorption peak, that with the excellent absorption in the haemoglobin, provides a cutting and hemostasis with minimal lateral thermal damage. **SURTRON LASER** leaves the operative field clean and sterile with a reduction of pain and swelling during and after the procedure.

The user can choose between different operating modes presets stored in the device. Alternatively, the user can save a set of parameters per each particular application and they can be recalled with a simple touch on the touchscreen display. The used parameters are memorized and can be reviewed after session has ended.



STANDARD COMPOSITION:

- | | |
|------------------------------------|----------|
| - Surgical tip | LDCPC01 |
| - Biostimulation tip | LDCPB01 |
| - Single footswitch | 00304.00 |
| - Protection for footswitch | 00304.PO |
| - Power cable 2m | 00100.03 |
| - Laser operator goggles | LDCEPO1 |
| - Laser patient protection glasses | LDCEPP1 |
| - Interlock laser control | LMBKRIC |
| - 6 guides kit for Fiber optic | LDCKITN |

Advantages

- User friendly
- Compact and portable design
- Optimal laser wavelength
- Optimal power
- Little or no pain and swelling.
- Minimal scar effect
- Safe
- Laser diode innovative technology



Fields of use

- Oral and maxillofacial surgery
- Vascular surgery
- Dermatology and aesthetic medicine
- ENT
- Gynecology



X IMPLANT

DENTAL SANITIZER

SCAN HERE



READ MORE

The **X IMPLANT** attacks the biofilm that forms around dental implants, its purpose is to de-escalate the onset of “implant disease” which is also known as peri-implantitis.

Peri-implantitis manifests itself with an initial phase, called mucositis as well as a more advanced phase called peri-implantitis.

The bacteria that come into play in the determination of this pathology are the same ones that are responsible for periodontal disease. The mucositis involves peri-implantitis soft part rather than the bone component. The symptoms are manifested by inflammation of the gum tissue which causes pain and easy bleeding.

The treatment with **X IMPLANT** system aims to attack the biofilm that forms around the implant and implant-prosthetic structures. Referring to the study of Prof. Bill Costerton of the Biofilm Center of the University of Montana in 1994 where laboratory tests showed the decontaminant action of an electromagnetic field on the biofilm.

The “electric current” effect on the implant is exploited, with the implant itself crossed by a high-frequency electromagnetic wave that breaks the chemical and ionic bonds of the bacterial biofilm.

The effect acts on the biofilm without damaging the peri-implantitis structures (soft and hard tissues).





STANDARD COMPOSITION:

- | | |
|-----------------------------------|------------|
| - Reusable X IMPLANT handle | SDRMA01 |
| - Assorted electrodes (5 pcs) | 00500.00/X |
| Ball Electrode ø2 mm | SDRPS2D |
| Ball Electrode Curved ø2 mm | SDRPS2C |
| Electrode 3mm | SDRPUI3 |
| Electrode 4mm | SDRPUI4 |
| Electrode 5mm | SDRPUI5 |
| - Cable for rod neutral electrode | SDRCN01 |
| - Rod neutral electrode | SDREN01 |
| - Power supply cable 2 mt | 00100.03 |



Advantages

- Easy to use
- Compact and portable design
- Safe
- Innovative Technology

Four pre-set programs

- Prevention of mucositis - peri-implantitis to be applied at the end of professional dental hygienist maintenance
- Treatment of mucositis.
- Treatment of peri-implantitis.
- Treatment of peri-implantitis with the Toronto bridge technique.



SIZE
22X13X23 cm

WEIGHT
2 kgs

ACCESSORIES

TECHNICAL INFORMATION // STANDARD COMPOSITION

CAPTIONS:

Compatibility:

+ = optional / x = not compatible / # = to verify / N = quantity Supplied



Autoclavable at 134°

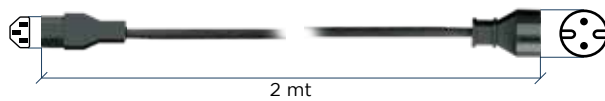


100 Sterilization cycles

IP67

The item is completely dust-proof and can withstand a 30-minute immersion in standing water

00100.03



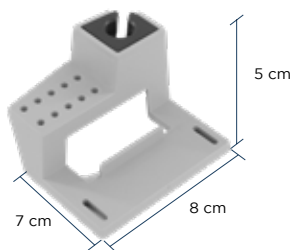
Description Power supply cable SIE-IEC
Cable Length 2 mt (78,74 in)

- 1 SURTRON 50 D
- 1 SURTRON 80 D
- 1 SURTRON 80//120//160
- 1 SURTRON TOUCH HP 50 D
- 1 SURTRON LASER
- 1 X IMPLANT



pcs: 1

00202.00



Description Handpiece and electrode holder
Cable Length NO
Size 8x5x7 cm (3,1x1,9x2,7 in)
Weight 0,02kg (0,04 lb)
Sterilization NO
Sterilization cycles NO

- 1 SURTRON 50 D
- 1 SURTRON 80 D
- 1 SURTRON 80//120//160
- 1 SURTRON TOUCH HP 50 D
- x SURTRON LASER
- x X IMPLANT



pcs: 1

00205.00



Description Handpiece with switches
Cable Length 3 mt (118,11 in)
Size 18,5x1,6x1,7 cm (7,2x0,62x0,66 in)
Weight 0,03kg (0,06 lb)
Sterilization Autoclavable
Sterilization cycles 100

- x SURTRON 50 D
- x SURTRON 80 D
- 1 SURTRON 80//120//160
- x SURTRON TOUCH HP 50 D
- x SURTRON LASER
- x X IMPLANT



pcs: 1

00206.00



Description Monopolar Handpiece
Cable Length 3 mt (118,11 in)
Size 18,5x1,6x1,7 cm (7,2x0,62x0,66 in)
Weight 0,03kg (0,06 lb)
Sterilization Autoclavable
Sterilization cycles 100

- 1 SURTRON 50 D
- 1 SURTRON 80 D
- + SURTRON 80//120//160
- 1 SURTRON TOUCH HP 50 D
- x SURTRON LASER
- x X IMPLANT




pcs: 1

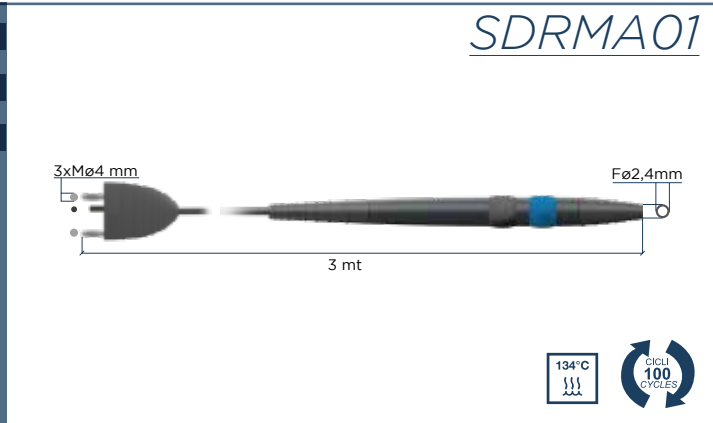
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Description	X IMPLANT Handpiece
Cable Length	3 mt (118,11 in)
Size	18,5x1,6x1,7 cm (7,2x0,62x0,66 in)
Weight	0,03kg (0,06 lb)
Sterilization	Autoclavable
Sterilization cycles	100


x SURTRON 50 D
x SURTRON 80 D
x SURTRON 80//120//160
x SURTRON TOUCH HP 50 D
x SURTRON LASER
1 X IMPLANT

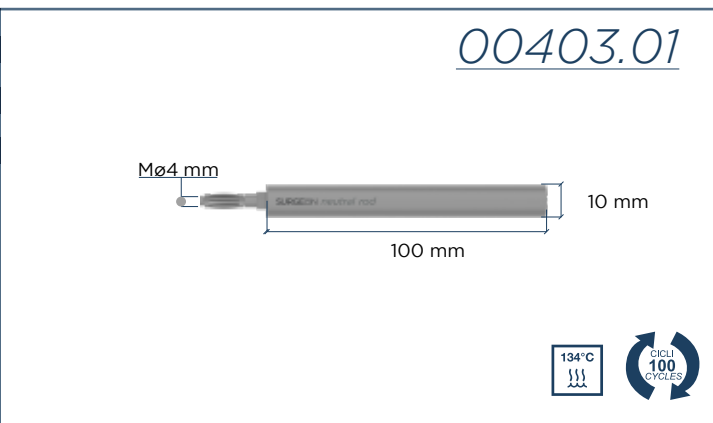
 pcs: 1



Description	Rod neutral electrode size 100xø12 mm
Cable Length	NO
Size	10x1,2x1,2 cm (3,934x0,47x0,47 in)
Weight	0,1 kg (0,22 lb)
Sterilization	Autoclavable
Sterilization cycles	100


1 SURTRON 50 D
x SURTRON 80 D
x SURTRON 80//120//160
1 SURTRON TOUCH HP 50 D
x SURTRON LASER
x X IMPLANT

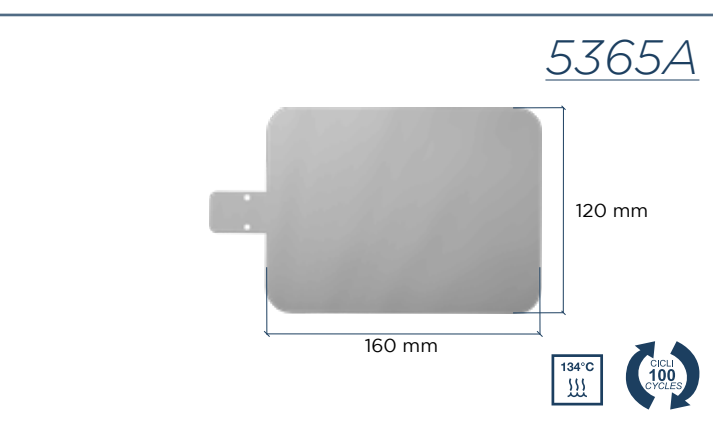
 pcs: 1



Description	Steel neutral electrode
Cable Length	NO
Size	160x120x0,2 mm (6,3x4,7x0,008 in)
Weight	0,1 kg (0,22 lb)
Sterilization	Autoclavable
Sterilization cycles	100


x SURTRON 50 D
1 SURTRON 80 D
1 SURTRON 80//120//160
x SURTRON TOUCH HP 50 D
x SURTRON LASER
x X IMPLANT

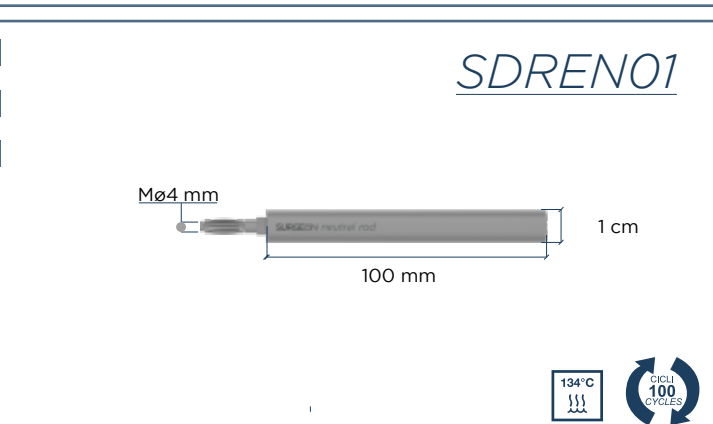
 pcs: 1



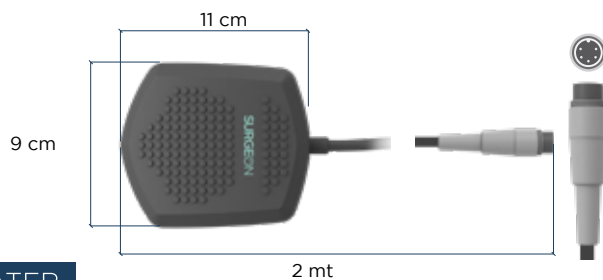
Description	Rod neutral electrode size 100xø10mm
Cable Length	NO
Size	10x1,2x1,2 cm (3,934x0,47x0,47 in)
Weight	0,1 kg (0,22 lb)
Sterilization	Autoclavable
Sterilization cycles	100

x SURTRON 50 D
x SURTRON 80 D
x SURTRON 80//120//160
x SURTRON TOUCH HP 50 D
x SURTRON LASER
1 X IMPLANT

 pcs: 1



00304.00



**WATER
PROOF**

IP67

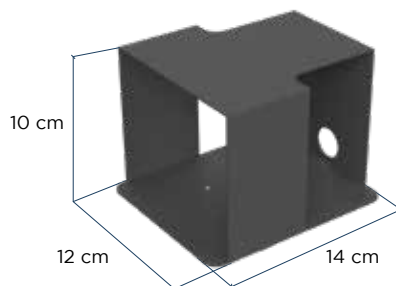
Description	Water-proof footswitch
Cable Length	2 m (78,75 in)
Size	11x3,5x9 cm (7,2x0,62x0,66 in)
Weight	0,3 kg (0,66 lb)

- 1 SURTRON 50 D
- 1 SURTRON 80 D
- 1 SURTRON 80//120//160
- 1 SURTRON TOUCH HP 50 D
- 1 SURTRON LASER
- x X IMPLANT



pcs: 1

00304.PO



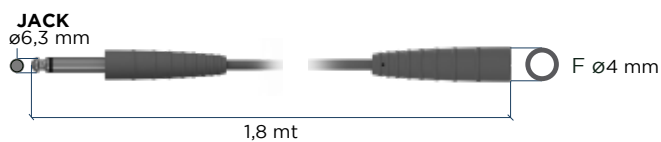
Description	Protection for single footswitch
Cable Length	NO
Size	12x10x14 cm (4,7x3,9x1,64 in)
Weight	0,65 kg (0,143 lb)

- + SURTRON 50 D
- + SURTRON 80 D
- + SURTRON 80//120//160
- + SURTRON TOUCH HP 50 D
- 1 SURTRON LASER
- x X IMPLANT



pcs: 1

00404.02



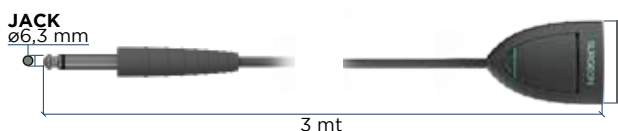
Description	Cable for rod neutral electrode
Weight	0,06 kg (0,13 lb)
Cable Length	3 mt (118,11 in)
Sterilization	NO
Sterilization cycles	NO

- 1 SURTRON 50 D
- x SURTRON 80 D
- + SURTRON 80//120//160
- 1 SURTRON TOUCH HP 50 D
- x SURTRON LASER
- x X IMPLANT



pcs: 1

00404.08



Description	Cable for neutral electrode disposable type 5365/6429/FLEX
Weight	0,06 kg (0,13 lb)
Cable Length	3 m (118,11 in)
Sterilization	NO
Sterilization cycles	NO


- x SURTRON 50 D
- 1 SURTRON 80 D
- 1 SURTRON 80//120//160
- x SURTRON TOUCH HP 50 D
- x SURTRON LASER
- x X IMPLANT

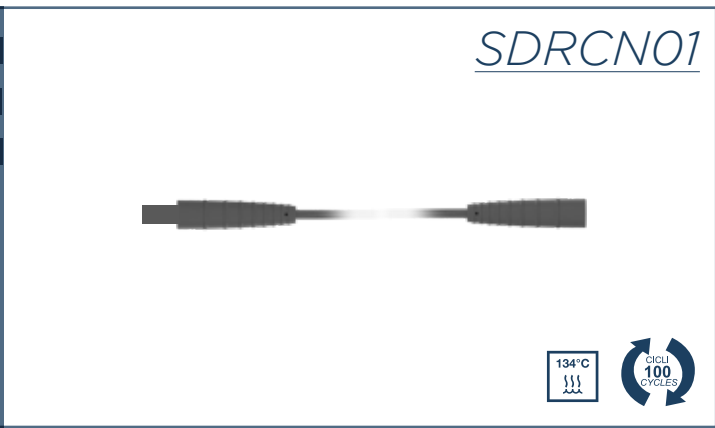


pcs: 1

Description	Monopolar Cable M4-F2.M
Weight	0,06 kg (0,13 lb)
Cable Length	1,8 m (70,86 in)
Sterillization	Autoclavable
Sterilization cycles	100


x SURTRON 50 D
x SURTRON 80 D
x SURTRON 80//120//160
x SURTRON LASER
x SURTRON TOUCH HP 50 D
1 X IMPLANT

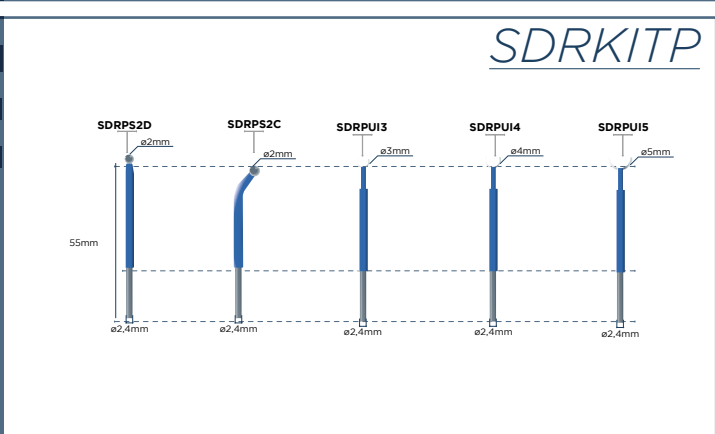
 pcs: 1



Description	Kit of assorted electrode length 5 cm (5pcs)
SDRPS2D:	Straight ball electrode ø2 mm
SDRPS2C:	Bent ball electrode ø2
SDRPUI3:	Dental sanificator tip ø3mm
SDRPUI4:	Dental sanificator tip ø4mm
SDRPUI5:	Dental sanificator tip ø5mm


x SURTRON 50 D
x SURTRON 80 D
x SURTRON 80//120//160
x SURTRON TOUCH HP 50 D
x SURTRON LASER
1 X IMPLANT

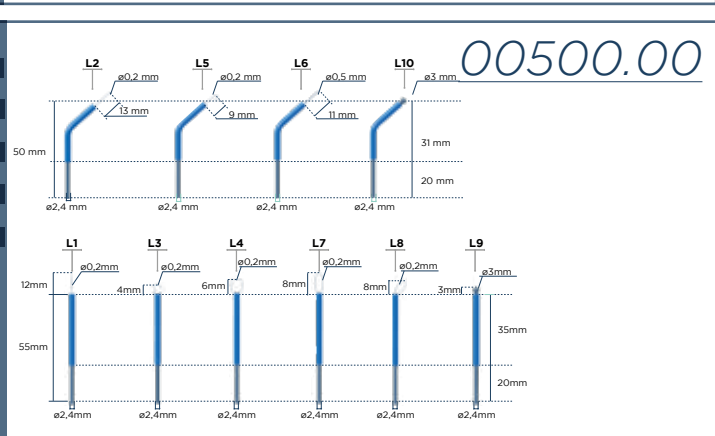
 pcs: 1



Description	Kit of assorted electrode length 5 cm (10pcs)
500500.L1:	Straight thin wire electrode (1pcs)
500500.L3:	Loop electrode ø4 mm (1pcs)
500500.L4:	Loop electrode ø6 mm (1pcs)
500500.L7:	Drop electrode length (1pcs)
500500.L8:	Noose electrode length (1pcs)
500500.L9:	Straight ball electrode ø3 mm (1pcs)
500500.L5:	Drop electrode length (1pcs)
500500.L6:	Bent thick wire electrode (1pcs)
500500.L10:	Bent ball electrode ø3 mm (1pcs)


1 SURTRON 50 D
1 SURTRON 80 D
1 SURTRON 80//120//160
1 SURTRON TOUCH HP 50 D
x SURTRON LASER
x X IMPLANT

 pcs: 1



Description	Operator laser protection
Cable Length	NO
Size	One Size
Weight	42,4 g (0,09 lb)
Sterilization	NO
Sterilization cycles	NO

x SURTRON 50 D
x SURTRON 80 D
x SURTRON 80//120//160
x SURTRON TOUCH HP 50 D
1 SURTRON LASER
x X IMPLANT

 pcs: 1



LDCEPP1



Description	Patient laser protection
Cable Length	NO
Size	One Size
Weight	21,4 g (0,04 lb)
Sterilization	NO
Sterilization cycles	NO

- x SURTRON 50 D
- x SURTRON 80 D
- x SURTRON 80//120//160
- x SURTRON TOUCH HP 50 D
- 1 SURTRON LASER
- x X IMPLANT



pcs: 4

LDCKITN



LDCNA LDCNB LDCNC LDCND LDCNE LDCNF

Description	Kit 6 guides kit for optical fiber
LDCNA:	Type A needle for LDCPC01
LDCNB:	Type B needle for LDCPC01
LDCNC:	Type C needle for LDCPC01
LDCND:	Type D needle for LDCPC01
LDCNE:	Type E needle for LDCPC01
LDCNF:	Type F needle for LDCPC01

- x SURTRON 50 D
- x SURTRON 80 D
- x SURTRON 80//120//160
- x SURTRON TOUCH HP 50 D
- 1 SURTRON LASER
- x X IMPLANT



pcs: 1

LDCPC01



Description	Patient laser protection
Cable Length	NO
Size	One Size
Weight	21,4 g (0,04 lb)
Sterilization	NO
Sterilization cycles	NO

- x SURTRON 50 D
- x SURTRON 80 D
- x SURTRON 80//120//160
- x SURTRON TOUCH HP 50 D
- 1 SURTRON LASER
- x X IMPLANT



pcs: 1

LDCPB01



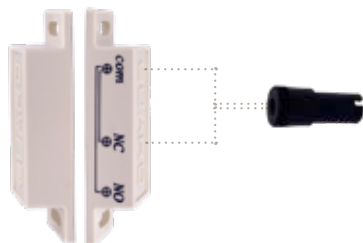
Description	Biostimulation tip
Cable Length	NO
Size	2x13 cm (0,78x5,1 in)
Weight	45 g (0,09 lb)
Sterilization	NO
Sterilization cycles	NO

- x SURTRON 50 D
- x SURTRON 80 D
- x SURTRON 80//120//160
- x SURTRON TOUCH HP 50 D
- 1 SURTRON LASER
- x X IMPLANT



pcs: 1

LMBKRIC



Description	Remote interlock connector kit for laser therapy unit
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- x SURTRON 50 D
- x SURTRON 80 D
- x SURTRON 80//120//160
- x SURTRON TOUCH HP 50 D
- 1 SURTRON LASER
- x X IMPLANT



pcs: 1

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