

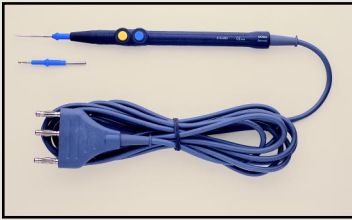
# Compact and Portable Automatic power controlled surgical diathermy with **SFS**\*



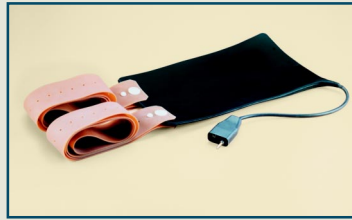
\*Smart Feedback System



- Small, Compact & Portable
- Automatic Power Regulation
- Digital display for power settings
- Monopolar and Bipolar cutting
- Soft, Forced and Spray coagulation
- Bipolar coagulation with auto start
- Programmable power settings
- Meets safety standards (IEC 601.1)



Electrode handle with 2 press buttons



Silicon rubber patient plate



Bipolar forceps and extension cable



Foot Switch

### Cut (auto power control)

HF power adjustment	With Up/down Soft keys
Form of HF voltage	Un-modulated sinusoidal
Frequency of HF voltage	350 KHz +/- 20 KHz
Haemostasis (blend)	3 steps coagulation, degree control from front panel
Max. HF voltage (Monopolar cut)	1.1 KV peak to peak
HF output (Monopolar cut)	175 W at 100-700 ohms (effect 4)
Power settings (Monopolar cut)	From 1 to 175 Watts in increment of 1 Watt
Max. HF voltage (Bipolar cut)	700 V peak to peak
HF output (Bipolar cut)	100 W at 100-500 ohms
Power settings (Bipolar cut)	From 1 to 100 Watts in increment of 1 Watt

### Monopolar Coagulation (auto power control)

HF power adjustment	With Up/down Soft keys, from 1 to 100 Watts in increment of 1 Watt
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### Monopolar SOFT COAG.

Form of HF voltage	Un-modulated sinusoidal
Frequency of HF voltage	350 KHz +/- 20 KHz
Maximum HF voltage	400 V peak to peak
HF output	100 W at 100-200 ohms
Auto stop facility	Yes

### Monopolar FORCED COAG.

Form of HF voltage	Pulse modulated
Frequency of HF voltage	500 KHz +/- 20 KHz
Maximum HF voltage	2.4 KV peak to peak
HF output	100 W at 300 ohms

### Monopolar SPRAY COAG.

Form of HF voltage	Pulse modulated
Frequency of HF voltage	500 KHz +/- 20 KHz
Maximum HF voltage	4 KV peak to peak
HF output	100 W at 300 ohms

### Bipolar Coagulation (auto power control)

HF power adjustment	With Up/down soft keys, from 1 to 100 Watts in increment of 1 Watt
Form of HF voltage	Un-modulated sinusoidal
Frequency of HF voltage	350 KHz +/- 20 KHz
Maximum HF voltage	400 V peak to peak
HF output	100 W at 100-200 ohms
Activation of HF output power	Auto start or pedal
Auto start delay	1 sec.

### Memory

Program facility

3 front panel settings can be saved and recalled for various applications.  
b - settings for bipolar cut application

### Safety Precautions

Check for HF leakage current

LED blinks if HFL > 150 mA (power delivery is ON)  
LED remains on if HFL > 300 mA (no power is delivered)

Check for LF leakage current as per IEC 601.1

Earth leakage current  
Enclosure leakage current  
Monopolar output leakage current  
Bipolar output leakage current  
Safety class & Type (IEC 601.1)  
Neutral electrode monitor

Maximum 0.5 mA  
Maximum 0.1 mA  
Maximum 0.01 mA  
Maximum 0.01 mA  
Class 1, CF with floating reference  
Auto. patient plate detection, audio-visual alarm activation on patient plate disconnection  
LED glows if power delivery activated for more than 10 seconds.  
Power shuts OFF after total 15 sec. of continuous operation.  
Latest 10 errors are stored

Time limit

Error memory (technical support)

### Environmental Condition

Operating Temperature	0° to 40°C
Operating Humidity	10 to 90%RH (non condensing)
Storage Temperature	-10° to 50°C
Storage Humidity	0 to 90% RH (non condensing)
Operating Pressure	500 to 900 mm Hg
Storage Pressure	500 to 900 mm Hg

### Input Characteristics

Input line voltage	230 V ac +/- 15%, 50 Hz
Maximum power consumption	600 VA Maximum
Line fuse	5A slow-blow
Idle power consumption	40 VA Maximum

### Mechanical Details

Dimension ( W x H x D )	250 x 280 x 330 mm
Weight	10 Kg. Maximum

• Technological upgradation is a continuous process at L&T. Hence, specifications and availability of any of the products mentioned in this leaflet are subject to change without notice. Some of the accessories featured in this leaflet are optional and are not part of the standard scope of supply