

ELEKTRIZ 2.0

A COMPACT MICROPROCESSOR CONTROLLED ELECTROSURGICAL UNIT

REDEFINING BASIC ENERGY



ELEKTRİ2 2.0

A COMPACT MICROPROCESSOR CONTROLLED ELECTROSURGICAL UNIT

SAFETY FEATURES:

- Smart tissue sensing technology *
- Microprocessor controlled power accuracy
- Patient Return Electrode Contact Quality monitoring*
- Power up self test, ensuring unit healthiness.

ELEKTRİ2 2.0 next generation changes:

- Enhanced monopolar and bipolar performance
- Lower thermal spread
- Addition of Spray mode

GENERAL FEATURES:

- Fully microprocessor controlled device.
- Insulated membrane keyboard located on the front panel; giving protection against liquid along with quick & accurate adjustments.
- Digital display for easy visualization of maximum power levels in each mode
- Dual control electro surgical unit (handswitch pencil and foot switch control)

*Smart Tissue Sensing Technology:

Constantly monitors the varying tissue impedance and controls the energy delivery to create a wide range of desired tissue effect. This technology dynamically varies the high frequency current and voltage which leads to enhanced performance using low power settings resulting in reduced tissue damage and faster recovery.

*Patient Return Electrode Contact Quality Monitoring:

PRE-CQM monitors the contact quality of the return electrode in real time. It establishes a baseline and uses it as a reference to monitor the contact area. If the contact area reduces, it automatically stops the energy delivery and gives an error message along with an audible alarm.

TECHNICAL SPECIFICATION - R F OUTPUT CHARACTERISTIC

MONOPOLAR CUT	WATT (W)	RESISTANCE Ω	CREST FACTOR
PURE	300 W	300 Ω	1.5
LAP CUT	200 W	300 Ω	1.5
BLEND	100 W	300 Ω	2.5
MONOPOLAR COAGULATION			
FULGURATE	100 W	500 Ω	7
DESSICATE	100 W	500 Ω	5.5
SPRAY	100 W	500 Ω	9
BIPOLAR CURRENT CHARACTERISTICS			
CUT	80 W	100 Ω	1.5
FORCE	80 W	100 Ω	1.5
PRECISE	80 W	100 Ω	1.5
TECHNICAL DATA:			
MAXIMUM POWER OUTPUT	300 WATT		
SAFETY STANDARDS			
BASIC CONSTRUCTION	IEC 60601-1, IEC 60601-1-2 & IEC 60601-2-2		
PROTECTION CLASS	1		
UNIT TYPE	CF		
ALL OUTPUTS	FLOATING OUTPUT		
ELECTRICAL POTENTIAL BALANCING	INDICATED BY SYSTEM		
PER	98		
General Information			
DIMENSIONS	425 mm (W) X 165 mm (H) X 375 mm (D)		
WEIGHT	4.2 kg		
FOOTSWITCH	WIRED FOOTSWITCH		