

KENTAMED® ESU-300E

HIGH FREQUENCY ELECTROSURGERY



APPLICATION: MAJOR SURGERY

USE: In operation rooms

DESCRIPTION: **KENTAMED ESU-300E** is a modern electro-surgical unit with 300W maximal output power and 5 operating modes: smooth cutting, cutting with increased degree of coagulation, contact coagulation, spray coagulation and bipolar coagulation. This unit is designed to work flawlessly even at operations requiring long duration and high output power. In the same time it provides precise adjustment in the low power range (Micro mode). With its 150Watts in bipolar mode the unit can also perform **vessel sealing**. During his/her work the surgeon independently and conveniently can activate the different operating modes by two-button electrode handle or by double footswitch. Separate potentiometers adjusts the output power for each group of working modes, thereby minimizing the necessity of readjusting the unit during the operation.

The patient's safety is increased by Neutral Electrode Monitoring System (NEMSY).

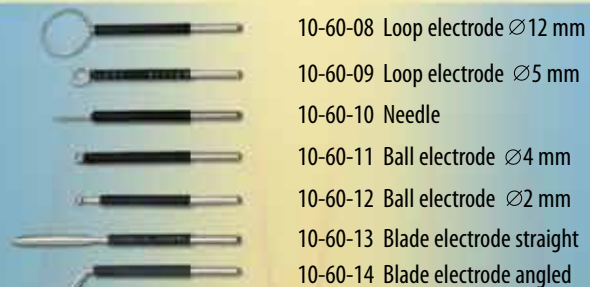
KENTAMED ESU-200E – Technical characteristics

	Maximal Output Power		Crest Factor
	Macro mode	Micro mode	
Pure CUT	300W / 500 Ω	50W / 500 Ω	1.5
Blended CUT	200W / 500 Ω	50W / 500 Ω	2.1
Contact COAG	150W / 300 Ω	50W / 300 Ω	3.0
SPRAY COAG	20W / 5000 Ω	10W / 5000 Ω	7.0
Bipolar COAG	150W / 50 Ω	50W / 50 Ω	1.5
Operating frequency [kHz]	470		
Modulation frequency [kHz]	33		
Patient safety	NEMSY (Neutral Electrode Safety System)		
Activation	Twin footswitch and Hand Switched Pencil		
Duty Cycle	10/30		
Safety class/MDD class	I/IIb		
Applied parts type	BF		
Dimensions (W x D x H) in mm	360 x 360 x 160		
Weight [kg]	13		

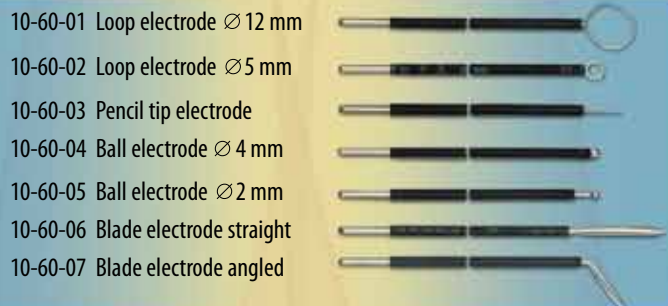
ACCESSORIES



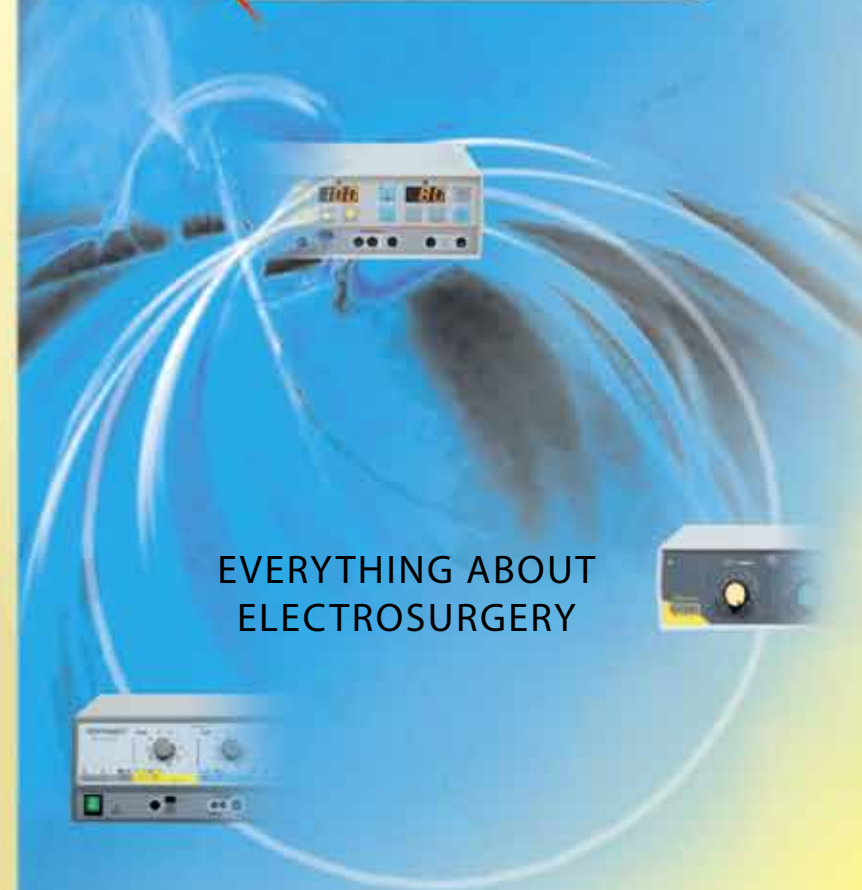
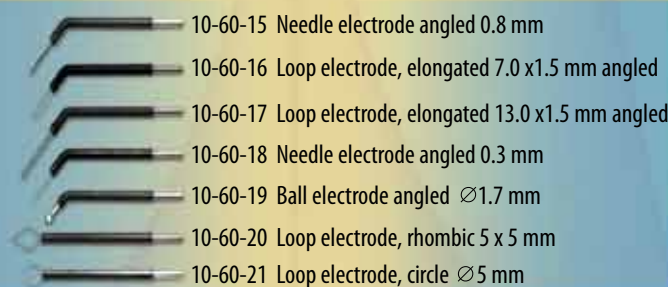
SURGICAL AND DERMATOLOGICAL ELECTRODES



GINECOLOGICAL AND ENT ELECTRODES



DENTAL ELECTRODES



EVERYTHING ABOUT ELECTROSURGERY

ELECTROSURGICAL UNITS KENTAMED®

36 MONTHS WARRANTY FOR ALL MODELS

Manufacturer: KENTAMED Ltd.
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Tel./fax: +359 32 622934, Mobile +359 896 890460
e-mail: sales@kentamed.com, office@kentamed.com
http://www.kentamed.com

KENTAMED®
Reliability and effectiveness

EN ISO 9001:2008; EN ISO 13485:2007

KENTAMED® ESU-dento

HIGH FREQUENCY ELECTROSURGERY

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APPLICATION: MINOR SURGERY

USE: In Dental offices and clinics

DESCRIPTION: *KENTAMED ESU-dento* is a modern electro-surgical unit, especially designed for general dental practice. Its characteristics allow the dentist to cover hole spectrum of minor surgical interventions, applicable every day. The unit has:

- Two working modes – cutting (CUT) and coagulation (COAG)
- Maximal output power – 60W
- Easy and conveniently for use – the dentist can independently activate the different modes through finger-switch handle. Separate potentiometer adjusts the output power for each of the working modes, thereby minimizing the necessity of readjusting the unit during the operation.
- Large choice of different active electrodes
- High reliability
- Excellent Price/Performance ratio

KENTAMED ESU-dento – Technical characteristics		
	Maximal Output Power	Crest Factor
CUT	60W / 500 Ω	1.5
COAG	60W / 500 Ω	3.0
Working frequency [kHz]	495	
Modulation frequency [kHz]	33	
Activation	Hand Switched Pencil or twin footswitch	
Duty Cycle	10/30	
Safety class/MDD class	I/IIb	
Applied parts type	BF	
Dimensions (W x D x H) in mm	200 x 160 x 65	
Weight [kg]	2.5	

KENTAMED® 1 ME

HIGH FREQUENCY ELECTROSURGERY

APPLICATION: MINOR and MEDIUM SURGERY

USE: Suitable for medical, dental and veterinary offices and clinics

DESCRIPTION: *KENTAMED 1ME* is an intelligent, microprocessor controlled electro-surgical unit. This economic model contains the most used functions in monopolar electro-surgery. It characterizes with reliable operation, operating comfort and patient's safety.

The unit has 100W maximal output power and 4 operating modes, allowing the surgeon to obtain a different tissue effects: smooth cutting (CUT), cutting with increased degree of haemostasis (CUT1), standard coagulation (COAG1) and superficial coagulation (COAG2). Each of these modes has independent power setting, shown by digital LED indication. A digital memory stores the last power settings. The unit can be activated by footswitch. Overheating (OH) and Power failure (PF) sensors increase the patient's safety. A status monitor on the front panel indicates if some of the controlled parameters are out of the norm. If this happen, the control circuit immediately switches off the output power and generates a sound alarm.

A good addition to all above mentioned is the nice design and the excellent Price/Performance ratio.

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KENTAMED 1ME – Technical characteristics		
	Maximal Output Power	Crest Factor
CUT	100W / 500 Ω	1.5
CUT1	100W / 500 Ω	2.1
COAG1	90W / 500 Ω	3.0
COAG2	60W / 500 Ω	5.0
Working frequency [kHz]	460	
Modulation frequency [kHz]	33	
Duty Cycle	10/30	
Safety class/MDD class	I/IIb	
Applied parts type	BF	
Activation	By footswitch	
Dimensions (W x D x H) in mm	256 x 200 x 82	
Weight [kg]	5	

KENTAMED® 1E

HIGH FREQUENCY ELECTROSURGERY

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APPLICATION: MINOR and MEDIUM SURGERY

USE: Ideal for medical and dental offices and clinics

DESCRIPTION: *KENTAMED 1E* is an intelligent, microprocessor controlled electro-surgical unit. It characterizes with functional completeness, operating comfort and increased patient's safety.

The unit has 100W maximal output power and 5+1 operating modes, allowing the surgeon to obtain a large spectrum of different tissue effects: smooth cutting, cutting with increased degree of coagulation, contact coagulation, spray coagulation, bipolar and Micro bipolar coagulation. Each of these modes has independent power setting, shown by digital LED indication. A digital memory stores the last power settings. The unit can be activated by two-button handswitched handle or by double footswitch. Overheating and Power failure sensors as well as Neutral Electrode Monitoring System (NEMSY) increase the patient's safety. A status monitor on the front panel indicates if some of the controlled parameters are out of the norm. If this happen, the control circuit immediately switches off the output power and generates a sound alarm.

A good addition to all above mentioned is the nice design and the excellent Price/Performance ratio.

KENTAMED 1E – Technical characteristics			
	Maximal Output Power		Crest Factor
	Macro mode	Micro mode	
Pure CUT	100W / 500 Ω	–	1.5
Blended CUT	100W / 500 Ω	–	2.1
Contact COAG	100W / 300 Ω	–	3.0
SPRAY COAG	20W / 5000 Ω	–	7.0
Bipolar COAG	80W / 100 Ω	35W / 100 Ω	1.5
Working frequency [KHz]	460		
Modulation frequency [kHz]	33		
Patient safety	NEMSY (Neutral Electrode Safety System)		
Duty Cycle	10/30		
Safety class/MDD class	I/IIb		
Applied parts type	BF		
Activation	Twin footswitch and Hand Switched Pencil		
Dimensions (W x D x H) in mm	255 x 215 x 85		
Weight [kg]	5		