



The **Electrosurgical Generators e.p.e.m.** are based on the transfer of the greatest possible quantity of energy in the shortest possible time.

Decades-long experience in the research and production of Electrosurgery systems has made it possible to combine functionality and versatility of use while fully satisfying all the surgeon's therapeutic requirements.

Electrosurgical Generators e.p.e.m.

can operate in various modes:

- Continuous
- Single pulse, with minimum duration pulse of 10 milliseconds
- Repeat pulse, a train of pulses with frequency of repetition from 3 to 20 Hertz
- Superpulse, in which both duration and frequency of pulse repetition can be varied according to the conditions.

The system adopted for the emission of radio-frequency has pulsed (modulation) at pre-set frequencies controlled by microchip. It follows that the impact of each pulse on the tissues is higher than the mean power programmed.

This condition makes possible the maximum transfer of energy to the tissue in the shortest possible time, this means a reduced thermic diffusion and therefore the maximum respect of the tissues surrounding the operative area.

The frequency of 1750 KHz, used for **Electrosurgical Generators e.p.e.m.**

allows numerous advantages:

- Absolute safety for patient from dangers of electric shock
- Not existing phenomena of muscular stimulation
- It is possible a time of shorter recovery, consequently insignificant electrolytic damages

main application

- Dermatology
- Plastic surgery
- Gynecology
- Ophthalmology
- ORL
- Odontostomatology



Characteristics of system

- Microprocessor controlled system
- Selection digital off all commands
- Luminous display: power time frequency
- Emission signal: acoustic and luminous
- Alarm signal: acoustic luminous block of emission

Test circuit

- Patient plate
- Connection patient plate
- Power damage

RF300

Technical data

Input Voltage	220-240 Vac 50/60 Hz
RF output Frequency	1.750 KHz
Working	Temporary
Power (CUT1-CUT2-COAG1)	200 Watt eff. (+/- 20%)
Power (COAG2)	130 Watt p.p.(+/- 20%)
Power (BIPOLAR)	80 Watt eff. (+/- 20%)
Output impedance	125-175 Ohm (BIPOLAR-COAG1)
Output impedance	375-575 Ohm (CUT1-CUT2)
Output impedance	1375-1575 Ohm (COAG2)
BIPOLAR output circuit	Floating
MONOPOLAR output circuit	Ground closed for H.F.
Input power	350 VA max
Line protection	2 ultrafast fuses 3A
Internal protection	1 fuse 5A 1 fuse 1A
Commands	Footswitch - finger switch
Emission mode	4 emission modes
Protection class	I type BF - IPX1
Size	450x350x140 mm.
Weight	10 Kg.

CE 0434

AM308N

Technical data

Input Voltage	220-240 Vac 50/60 Hz
RF output Frequency	1.750 KHz
Working	Temporary
Power (CUT1-CUT2-COAG1)	100 Watt eff. (+/- 20%)
Power (COAG2)	70 Watt p.p. (+/- 20%)
Power (BIPOLAR)	80 Watt eff. (+/- 20%)
Output impedance	125-175 Ohm (BIPOLAR-COAG1)
Output impedance	375-575 Ohm (CUT1-CUT2)
Output impedance	1375-1575 Ohm (COAG2)
BIPOLAR output circuit	Floating
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