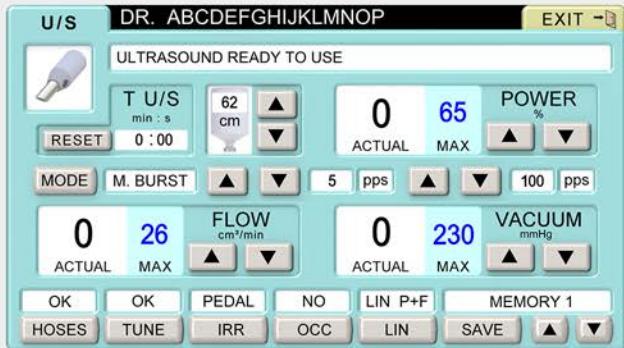


OPTIMUS II

PHACOEMULSIFICATION SYSTEM



► Micromédica Epsilon



- Friendly touch screen to adjust parameters
- Fast identification of functions due different colors
- Help screens available during surgery
- Advanced features compatible with the most modern techniques

- Excellent stability of anterior chamber during surgery
- Pneumatically powered guillotine cutter for vitrectomy
- Programmable memories settings for all parameters
- Personalized set of memories up to 6 users plus 1 of general use
 - Selectable language (Spanish, English and Portuguese)
 - Great portability due to its small size and weight
 - Automated I/V pole interface (optional)



MULTIFUNCTIONAL PEDAL

- Programmable pedal
- Vibrational signal to indicate U/S delivery
- Allows selection of functions and memories



Technical Specifications

U/S Ultrasound		
Handpiece type		Four crystal handpiece
Operating frequency		38 kHz to 40 kHz
Power range		From 0 to 100 %
Irrigation		Gravity fed
Aspiration pump		Peristaltic
Flow rate		From 0 to 60 cm ³ /min
Vacuum		From 0 to 650 mmHg.
Linearity	Linear power, linear flow, linear power and flow	
Power modes	Continuous	From 0 to 100 % power
	Pulse	From 5 to 100 pps
	Single burst, allows for surgeon control of pulse width in phaco power	From 5 to 100 ms
	Multi burst	From 5 to 100 pps
	Cold phaco, allows for surgeon control of both the on time and the off time of the phaco pulse	On time from 2 to 80 ms, off time from 0 to 80 ms
Prime/tune	Automatically primes system and tunes ultrasonic handpiece	

I/A Irrigation/Aspiration

Handpiece type	Coaxial or bimanual
Irrigation	Gravity fed
Aspiration pump	Peristaltic
Flow rate	From 0 to 60 cm ³ /min
Vacuum	From 0 to 650 mmHg.
Linearity	Panel and linear flow

VIT Vitrectomy

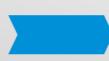
Handpiece type	Pneumatically powered guillotine cutter
Cutting mode	Guillotine
Cut rate	From 50 to 1000 cuts per minute
Actuation device	Internal air compressor
Operating pressure	20 psi
Irrigation	Gravity fed
Aspiration pump	Peristaltic
Flow rate	From 0 to 60 cm ³ /min
Vacuum	From 0 to 650 mmHg
Linearity	Panel and linear vacuum

CAUT Cautery

Type	Bipolar generator
Operating frequency	100 kHz
Nominal power	5 W (600 Ohm load)
Power range	From 0 to 100 %
Linearity	Panel and linear power

Dimensions

Height/width/depth/weight console/weight pedal	160 mm, 380 mm, 305 mm, 10 kg, 3kg
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 **Micromédica Epsilon**

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