



Alexos³

Small and Large Animal Phaco System

**Phacoemulsification
Anterior Vitrectomy
High Frequency Cut
Diathermy**

- Specifically designed for animal use
- Light and compact
- Intuitive to use, very little training is needed



A More Intelligent Technology and Concept

- Sensational Pump System
- Excellent Stability of the anterior chamber
- No need to change bottle height
- Non-contaminating Pressure Sensor
- Multimode Phaco: Pulse, Cool Phaco CMP
- 3 Memory Settings in each mode
- Capsulotomy and Diathermy
- Direct Access operation at the press of a button

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Alexos³ Phaco System

Technical Details

Ultrasound Phaco

- Frequency: 28 kHz, piezo driver
- Control: Auto-tuning (50 time s/s), linear, pulsed, burst, Cool Micropulse Phaco
- Power: 100% in steps of 1%, max. deflection 120 μm
- Pulse: Pulse Frequency 0.5 to 40 Hz, pulse duration .25 to 1800 ms
- Counter: Effective time in 0.1s (relevant to energy delivered)
- Memory: 20 surgeons with 3 memory settings each

I/A System

- Continuous Irrigation Function
- Pump System: Peristaltic, Linear Control, Proportional override
- Reflux: Pump Reverse (150 mmHg)
- Tubing System: Single Use or autoclavable
- 250 ml waste container
- Memory: 9 Surgeons with 2 memory settings each
- Performance: 0-50 ml/min, Vacuum 0-600 mmHg

Diathermy

- Frequency: 500 kHz, pulsed
- Power: max. 6.2 Watt at 50 Ohm, 2 ranges, automatic regulation

HF Capsulotomy

- Frequency: 500 kHz, pulsed
- Power: max. 6.2 Watt at 50 Ohm, 2 ranges, automatic regulation

Vitrectomy

- Speed: 30 to 1200 cuts/min
- Twinac Dual Pneumatic Guillotine Cutter

Power Requirements

- Electric: 100 to 240 VAC, 50 to 60 Hz, power consumption 200 VA

Standards

- IEC601-1, EN60601-1, UL544, CE-Mark (CE-class 2B, protection class 1)
- EMC/RFI: EN6100-4-1, EN50011/EN55081-1, EN50082

Manufactured by Oertli Instruments AG, Switzerland

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