an-vision

SPEEP – Precise control of flow and vacuum

Alexos3

Small and Large Animal Phaco System

- **Phaco Emulsification – Powerful**
- **HF Capsulotomy – Safe**
- **easyPhaco Technology**
- **Anterior Vitrectomy – Pneumatically driven**



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

Small Platform, Great Performance

- Requires little space, portable
- Full functionality as of a large unit
- easyPhaco – efficient fragment aspiration, perfect emulsification, stable anterior chamber
- Anterior vitrectomy with integrated compressor, 2400cpm

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 1800ms
- 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 2400 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